

CORNELL UNIVERSITY  
OFFICIAL PUBLICATION

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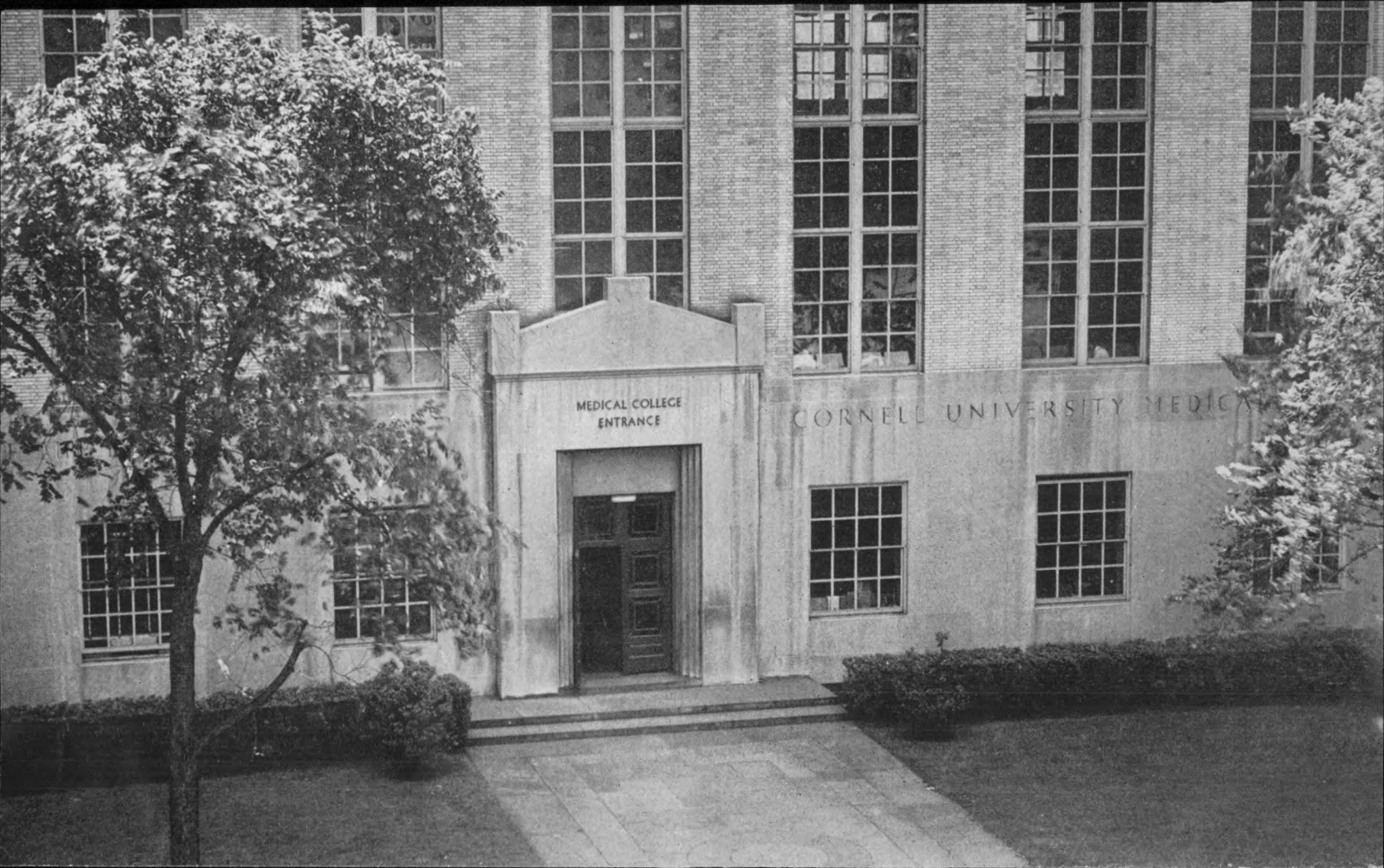
*Ithaca, New York*

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*Medical College*

*1300 York Avenue, New York 21, N. Y.*

1949-1950



MEDICAL COLLEGE  
ENTRANCE

CORNELL UNIVERSITY MEDICAL

# *Contents*

Calendar . . . . .	3
New York Hospital-Cornell Medical College Association . . . . .	4
Bequests, Form for . . . . .	4
Medical College Council . . . . .	4
Officers of Administration and Executive Faculty . . . . .	6
Committees of the Faculty . . . . .	7
Faculty . . . . .	8
General Statement . . . . .	21
Hospitals Co-operating in Teaching . . . . .	24
Library . . . . .	25
Requirements for Admission . . . . .	27
Admission to Advanced Standing . . . . .	29
Requirements for Promotion and Graduation . . . . .	30
Fees, Scholarships, Loans, Prizes . . . . .	30
Medical College Alumni Association . . . . .	43
Educational Policies and Plan of Instruction . . . . .	44
Description of Courses . . . . .	46
Anatomy . . . . .	46
Bacteriology and Immunology . . . . .	48
Biochemistry . . . . .	49
Medicine and Medical Specialties . . . . .	51
Military Medicine . . . . .	83
Obstetrics and Gynecology . . . . .	59
Pathology . . . . .	62
Pediatrics . . . . .	64
Pharmacology . . . . .	66
Physiology . . . . .	68
Psychiatry . . . . .	70
Public Health and Preventive Medicine . . . . .	73
Radiology . . . . .	76
Surgery and Surgical Specialties . . . . .	78
The Graduate School . . . . .	84
Special Students . . . . .	86
Summary of Hours in Medical Course . . . . .	87
Schedule of Courses . . . . .	88
Internship Appointments . . . . .	92
Register of Students, 1949-1950 . . . . .	94
Register of Medical College Staff . . . . .	102

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# Calendar

## 1949

July 11	Registration and beginning of instruction (first division) for 4th year students.
Sept. 3	First division ends for 4th year students.
Sept. 12	Examinations for conditioned students.
Sept. 13-14	Registration for 1st, 2nd, and 3rd year classes.*
Sept. 14	Opening Exercises 3:30 P.M.
Sept. 15	Instruction begins for all classes 9:00 A.M. Second division begins for 4th year students.
Oct. 12	Holiday — Columbus Day.
Nov. 15	Third division begins for 4th year students.
Nov. 23	Thanksgiving recess begins 5:00 P.M.
Nov. 28	Thanksgiving recess ends 9:00 A.M.
Dec. 5-6	Examinations for 2nd year students.
Dec. 6	Fall term ends 5:00 P.M.
Dec. 7	Winter term begins 9:00 A.M.
Dec. 21	Christmas recess begins 5:00 P.M.

## 1950

Jan. 3	Christmas recess ends 9:00 A.M.
Jan. 27	Fourth division begins for 4th year students.
Feb. 13	Holiday — Lincoln's Birthday.
Feb. 22	Holiday — Washington's Birthday.
March 7-8	Examinations for 1st year students.
March 8	Winter term ends 5:00 P.M.
March 9-15	Spring recess.
March 16	Spring term begins 9:00 A.M.
April 5	Fifth division begins for 4th year students.
May 30	Holiday — Memorial Day.
June 3	Instruction ends for all classes.
June 5-8	Final examinations.
June 14	Commencement 3:30 P.M.

\*All students excepting fourth year students must register in person at the Administration Office on or before September 14. No student will be admitted after registration day without special permission. Upon registration, all fees must be paid at the Business Office. For fourth year students the first installment of tuition is payable on or before September 14.

# *The New York Hospital—Cornell Medical College Association*

The Association was formed by an agreement between the Society of the New York Hospital and Cornell University in order to associate organically the hospital and the medical college and to effect a complete coordination of the medical, educational, and scientific activities of the two institutions.

The Association is operated under the supervision of a Joint Administrative Board, composed of three Governors of the Society of the New York Hospital, three representatives of the Trustees of Cornell University, and one other member elected by the appointed members.

The Joint Administrative Board is composed of the following members:

STANHOPE BAYNE-JONES, <i>President</i>	
EDMUND E. DAY	WILLIAM H. JACKSON
NEAL D. BECKER	HENRY S. STURGIS
JOSEPH P. RIPLEY	JOHN HAY WHITNEY
JOHN W. DAVIS	

## FORM FOR BEQUESTS

The Society of the New York Hospital is associated with the Cornell University Medical College, which is one of the colleges of Cornell University, under the title of "The New York Hospital-Cornell Medical College Association."

Gifts or bequests should be made either to the Hospital or to the University, but not to the above-named Association.

If for the Hospital, the language may be: "I give and bequeath to the Society of the New York Hospital, the sum of \$....."

If for the use of the College, the language may be: "I give and bequeath to Cornell University the sum of \$.....for use in connection with its Medical College in New York City." If it is desired that a gift shall be used in whole or in part for any specific purpose in connection with the College, such use may be specified.

## THE MEDICAL COLLEGE COUNCIL

For the purpose of making recommendations to the Board of Trustees, in relation to the affairs of the Medical College, and of discharging its duties to the Memorial Hospital under the Douglas Deeds of

Trust, there is established a Medical College Council, which shall consist of ten members: The President of the University, who shall be *ex officio* chairman; four Trustees to be elected by the Board of Trustees one of whom shall be elected each year for the term of four years; the Dean of the Medical College; two members of the Faculty, to be elected by the Faculty, one each year for the term of two years; two Alumni of the Medical College, one to be appointed by the Medical College Alumni Association and the other by the Board of Trustees, each for a term of one year.

The Council at present consists of the following members:

EDMUND EZRA DAY, Chancellor of the University, *Chairman*,  
*ex officio*.

JOSEPH C. HINSEY, Dean of the Medical College.

NEAL D. BECKER	} of the Board	McKEEN CATTELL	} of the Faculty.
H. C. FLANIGAN		FRANK GLENN	
STANTON GRIFFIS	} of Trustees.	HORACE S. BALDWIN	} of the Alumni.
ALICE BLINN		W. D. STUBENBORD	

EDWARD K. TAYLOR, *Secretary*.

# Officers of Administration

EDMUND EZRA DAY, *Chancellor of the University.*

CORNELIS WILLEM DE KIEWIET, *Acting President of the University.*

JOSEPH C. HINSEY, *Dean of the Medical College.*

DAYTON J. EDWARDS, *Associate Dean and Secretary of the Faculty.*

LAWRENCE W. HANLON, *Assistant Dean.*

EDWARD K. TAYLOR, *Assistant Treasurer and Business Manager.*

BEATRICE BERLE, *Counselor to Foreign Students.*

JOSEPHINE G. NICHOLS, *Librarian.*

## EXECUTIVE FACULTY

EDMUND EZRA DAY

ROBERT P. BALL

VINCENT DU VIGNEAUD

DAVID P. BARR

FRANK GLENN

STANHOPE BAYNE-JONES

JOSEPH C. HINSEY

McKEEN CATTELL

JOHN G. KIDD

OSKAR DIETHELM

SAMUEL Z. LEVINE

R. GORDON DOUGLAS

JAMES M. NEILL

EUGENE F. DuBois

WILSON G. SMILLIE

# *Standing Committees\**

## COMMITTEE ON CURRICULUM

Vincent du Vigneaud, *Chairman*

David P. Barr

Charles G. Child, III

Oskar Diethelm

R. Gordon Douglas

John G. Kidd

Samuel Z. Levine

John Y. Sugg

## COMMITTEE ON ADMISSIONS

Dayton J. Edwards, *Chairman*

Lawrence W. Hanlon

Edward J. Hehre

Walsh McDermott

Wilson G. Smillie

## LIBRARY COMMITTEE

Thomas P. Almy, *Chairman*

Robert P. Ball.

Henry L. Barnett

McKeen Cattell

Frank Glenn

James D. Hardy

Cosmo G. Mackenzie

John MacLeod

Bernard R. Samuels

Josephine G. Nichols

## COMMITTEE ON PROMOTION AND GRADUATION

Joseph C. Hinsey, *Chairman*

Heads of Departments, or their representatives, responsible for the more important courses of each year.

## COMMITTEE ON SCHOLARSHIPS AND PRIZES

James M. Neill, *Chairman*

John G. Kidd

John M. McLean

Paul Reznikoff

## COMMITTEE ON PRIZES IN RESEARCH

Oskar Diethelm, *Chairman*

Thomas P. Almy

Edward J. Hehre

John MacLeod

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\*The Dean is ex-officio a member of all Committees.

# Faculty\*

EDMUND EZRA DAY, *Chancellor of the University*. (S.B. 1905, A.M. 1906, Dartmouth; Ph.D. 1909, Harvard; LL.D. 1931, Vermont; 1937, Dartmouth, Harvard, Pennsylvania, and Syracuse; 1942, New York University; 1943, St. Lawrence, Cincinnati; 1945, William and Mary; 1946, North Carolina, Union College, Buffalo; 1947, Princeton; L.H.D. 1947, Hobart.)

CORNELIS WILLEM DE KIEWIET, *Acting President of the University*. (B.A. 1923, M.A. 1924, University of the Witwatersrand, Johannesburg, Union of South Africa; Ph.D. 1927, University of London.)

JOSEPH C. HINSEY, *Dean of the Medical College* (B.S. 1922, M.S. 1923, Northwestern; Ph.D. 1927, Washington University.)

## EMERITUS PROFESSORS

LEWIS A. CONNER, M.D. [1898; 1945]	<i>Professor of Clinical Medicine</i>
WILLIAM J. ELSE, M.D. [1901; 1938]	<i>Professor of Applied Pathology</i>
N. CHANDLER FOOT, M.D. [1932; 1948]	<i>Professor of Surgical Pathology</i>
MALCOLM GOODRIDGE, M.D. [1910; 1946]	<i>Professor of Clinical Medicine</i>
JAMES A. HARRAR, M.D. [1932; 1948]	<i>Professor of Clinical Obstetrics and Gynecology</i>
GEORGE J. HEUER, M.D. [1931; 1947]	<i>Professor of Surgery</i>
EUGENE L. OPIE, M.D. [1932; 1941]	<i>Professor of Pathology</i>
WILLIAM L. RUSSELL, M.D. [1928; 1932]	<i>Professor of Psychiatry</i>
BERNARD R. SAMUELS, M.D. [1914; 1942]	<i>Professor of Clinical Surgery (Ophthalmology)</i>
HANS J. SCHWARTZ, M.D. [1911; 1942]	<i>Professor of Clinical Medicine (Dermatology)</i>
ALEXANDER R. STEVENS, M.D. [1924; 1946]	<i>Professor of Clinical Surgery (Urology)</i>
JOSHUA E. SWEET, M.D. [1926; 1941]	<i>Professor of Experimental Surgery</i>
GEORGE GRAY WARD, M.D. [1898; 1934]	<i>Professor of Obstetrics and Gynecology</i>
GEORGE WOOLSEY, M.D. [1898; 1926]	<i>Professor of Clinical Surgery</i>

## PROFESSORS

WILLIAM DEWITT ANDRUS, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital; Director, Second Surgical Division, Bellevue Hospital. (A.B. 1916, A.M. 1917, Oberlin; M.D. 1921, Johns Hopkins. [1932; 1947])

ROBERT P. BALL, *Professor of Radiology*. Radiologist-in-Chief, New York Hospital. (M.D. 1924, University of Louisville; Sc.D., 1948, Centre. [1949])

DAVID P. BARR, *Professor of Medicine*. Physician-in-Chief, New York Hospital; Consulting Physician, Bellevue Hospital. (A.B. 1911, M.D. 1914, Cornell; LL.D. 1929, Central College. [1916; 1941])

ALEXANDER BRUNSCHWIG, *Professor of Clinical Surgery*. (B.A. 1923, M.S. 1924, University of Chicago; M.D. 1926, Rush. [1947])

\*The figures in brackets following the name of each faculty member indicate the date of original appointment and the year of induction into present rank.

- McKEEN CATTELL, *Professor of Pharmacology*. (B.S. 1914, Columbia; A.M. 1917, Ph.D. 1920, M.D. 1924, Harvard. [1924; 1943])
- RUSSELL L. CECIL, *Professor of Clinical Medicine*. Consulting Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (A.B. 1902, Princeton; M.D. 1906, Medical College of Virginia. [1910; 1933])
- OSKAR DIETHELM, *Professor of Psychiatry*. Psychiatrist-in-Chief, New York Hospital. (Statexamen 1922, U. of Zurich; M.D. 1923, U. of Berne. [1936])
- R. GORDON DOUGLAS, *Professor of Obstetrics and Gynecology*. Obstetrician- and Gynecologist-in-Chief, New York Hospital. (M.D.C.M. 1924, McGill. [1932; 1949])
- EUGENE F. DuBOIS, *Professor of Physiology*. Medical Director of the Russell Sage Institute of Pathology; Consultant in Medicine, New York Hospital. (A.B. 1903, Harvard; M.D. 1906, Columbia. [1910; 1930])
- GUILFORD S. DUDLEY, *Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital; Consultant in Surgery, Second Surgical Division, Bellevue Hospital. (A.B. 1910, M.D. 1913, Cornell. [1917; 1949])
- VINCENT du VIGNEAUD, *Professor of Biochemistry*. (B.S. 1923, M.S. 1924, Illinois; Ph.D. 1927, Rochester. [1938])
- FRANK GLENN, *Lewis Atterbury Stimson Professor of Surgery*. Surgeon-in-Chief, New York Hospital. (M.D. 1927, Washington University. [1932; 1947])
- HARRY GOLD, *Professor of Clinical Pharmacology*. (A.B. 1919, M.D. 1922, Cornell. [1922; 1947])
- PHYLLIS GREENACRE, *Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (B.S. 1913, U. of Chicago; M.D. 1916, Rush. [1932; 1933])
- CONNIE M. GUION, *Professor of Clinical Medicine*. Consultant in Medicine, New York Hospital. (A.B. 1906, Wellesley; A.M. 1913, M.D. 1917, Cornell. [1924; 1946])
- LOUIS HAUSMAN, *Professor of Clinical Medicine (Neurology)*. Associate Attending Physician (Neurology), New York Hospital; Associate Visiting Neuro-Psychiatrist, Bellevue Hospital. (A.B. 1912, College of the City of New York; M.D. 1916, Cornell. [1923; 1945])
- JOSEPH C. HINSEY, *Dean; Professor of Anatomy*. (B.S. 1922, M.S. 1923, Northwestern; Ph.D. 1927, Washington University. [1936])
- FOSTER KENNEDY, *Professor of Clinical Medicine (Neurology)*. Consulting Neurologist, New York and Memorial Hospitals; Consulting Physician, Bellevue Hospital. (M.B., B.Ch. 1906, Royal University, Ireland; M.D. 1910, Dublin. [1911; 1924])
- JOHN G. KIDD, *Professor of Pathology*. Pathologist-in-Chief, New York Hospital. (A.B. 1928, Duke; M.D. 1932, Johns Hopkins. [1944])
- WILLIAM S. LADD, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (B.S. 1910, Amherst; M.D. 1915, Columbia. [1931; 1935])
- SAMUEL Z. LEVINE, *Professor of Pediatrics*. Pediatrician-in-Chief, New York Hospital. (A.B. 1916, College of the City of New York; M.D. 1920, Cornell. [1924; 1936])
- GEORGE M. LEWIS, *Professor of Clinical Medicine (Dermatology)*. Associate Attending Physician (Dermatology), New York Hospital. (M.D. 1925, University of Alberta; L.M.C.C. 1925, Medical College of Canada. [1932; 1949])
- ASA L. LINCOLN, *Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (A.B. 1910, M.A. 1911, Elon College; M.D. 1916, Johns Hopkins. [1921; 1941])
- JOHN M. McLEAN, *Professor of Clinical Surgery (Ophthalmology)*. Attending Surgeon in Charge of Ophthalmology, New York Hospital. (M.E. 1930, Stevens Institute; M.D. 1934, Cornell. [1941; 1943])
- JAMES M. NEILL, *Professor of Bacteriology and Immunology*. (B.S. 1917, Allegheny; Ph.D. 1921, Massachusetts Agricultural College. [1931])
- ARTHUR PALMER, *Professor of Clinical Surgery (Otolaryngology)*. Attending Surgeon (Otolaryngology), New York Hospital. (A.B. 1911, Brown; M.D. 1915, Cornell. [1923; 1948])



- GEORGE PAPANICOLAOU, *Professor of Clinical Anatomy*. (M.D. 1904, Athens; Ph.D. 1910, Munich. [1914; 1947])
- JOHN M. PEARCE, *Professor of Pathology in Surgery*. Surgical Pathologist, New York Hospital. (Ph.B. 1930, Yale; M.D. 1934, Harvard. [1948])
- BRONSON S. RAY, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital; Consulting Neurosurgeon, New York Hospital, Westchester Division; Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (B.S. 1924, Franklin; M. D. 1928, Northwestern. [1932; 1948])
- PAUL REZNIKOFF, *Professor of Clinical Medicine*. Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1916, New York University; M.D. 1920, Cornell. [1924; 1946])
- CORNELIUS P. RHOADS, *Professor of Pathology*. Director, Memorial Hospital. (A.B. 1920, Bowdoin; M.D. 1924, Harvard. [1941])
- OSCAR M. SCHLOSS, *Professor of Clinical Pediatrics*. Consultant in Pediatrics, New York Hospital. (B.S. 1901, Alabama Polytechnic Institute; M.D. 1905, Johns Hopkins. [1918])
- WILSON G. SMILLIE, *Professor of Public Health and Preventive Medicine*. Consultant in Preventive Medicine and Public Health, New York Hospital. (A.B. 1908, Colorado College; M.D. 1912, D.P.H. 1916, Harvard. [1937])
- LEWIS D. STEVENSON, *Professor of Clinical Medicine (Neurology) and Associate Professor of Pathology*. Attending Pathologist, Associate Attending Physician (Neurology), New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division; Associate Visiting Neuro-Psychiatrist, Bellevue Hospital. (A.B. 1916, M.D. 1916, Queen's University. [1922; 1945])
- FRED W. STEWART, *Professor of Pathology, Associate Professor of Surgical Pathology*. Attending Pathologist, New York Hospital; Pathologist, Memorial Hospital. (A.B. 1916, Ph.D. 1919, Cornell; M.D. 1924, Harvard. [1928; 1949])
- HAROLD L. TEMPLE, *Professor of Clinical Radiology*. Attending Radiologist, New York Hospital. (B.S. 1932, M.D. 1935, University of Nebraska. [1941; 1946])
- URBAN L. THROM, II, *Professor of Military Science and Tactics*. Major, M.C., U.S. Army. (M.D. 1942, University of Buffalo. [1949])
- HAROLD G. WOLFF, *Professor of Medicine (Neurology); Associate Professor of Psychiatry*. Attending Physician, Associate Attending Psychiatrist, New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division; Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (B.S. 1918, College of the City of New York; M.D. 1923, M.A. 1928, Harvard. [1931; 1948])
- IRVING S. WRIGHT, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1923, M.D. 1926, Cornell. [1946; 1949])

#### ASSOCIATE PROFESSORS

- FRANK E. ADAIR, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1910, ScD. 1934, Marietta College; M.D. 1915, Johns Hopkins. [1934; 1938])
- THOMAS P. ALMY, *James Ewing Associate Professor of Neoplastic Diseases (Medicine)*. Assistant Attending Physician, New York Hospital. (A.B. 1935, M.D. 1939, Cornell. [1940; 1948])
- ARTHUR F. ANDERSON, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1916, Tufts. [1930; 1948])
- HORACE S. BALDWIN, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (B.S. 1917, Wesleyan University; M.D. 1921, Cornell. [1923; 1947])
- WILLIAM A. BARNES, *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1933, College of the City of New York; M.D. 1937, Cornell. [1938; 1946])
- CARL A. BINGER, *Associate Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1910, M.D. 1914, Harvard. [1932; 1948])

- OSCAR BODANSKY, *Associate Professor of Clinical Pharmacology*. Associate Member Sloan-Kettering Institute. (A.B. 1921, Ph.D. 1925, Columbia; M.D. 1938, University of Chicago. [1946; 1948])
- CHARLES G. CHILD, III, *Associate Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (A.B. 1930, Yale; M.D. 1934, Cornell. [1935; 1947])
- HERBERT CONWAY, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (M.B. 1928, B.S. 1929, M.D. 1929, M.S. 1932, University of Cincinnati. [1932; 1946])
- WILLIAM A. COOPER, *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1928, Stanford University; M.D. 1932, Cornell. [1934; 1946])
- NELSON W. CORNELL, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1918, M.D. 1921, Cornell. [1925; 1942])
- LLOYD F. CRAVER, *Associate Professor of Clinical Medicine*. Attending Physician, Memorial Hospital. (A.B. 1915, M.D. 1918, Cornell. [1934; 1948])
- \*JOHN E. DEITRICK, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. (B.S. 1929, Princeton; M.D. 1933, Johns Hopkins. [1934; 1946])
- EDWARD H. DENNEN, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1919, Tufts. [1933; 1949])
- JOHN W. DRAPER, Jr., *Associate Professor of Clinical Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital; Visiting Surgeon in Charge of Urological Service, Bellevue Hospital. (A.B. 1927, Dartmouth; M.D. 1931, Cornell. [1932; 1949])
- WILLIAM H. DUNN, *Associate Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1923, Rochester; M.D. 1927, Harvard. [1932; 1947])
- HENRY S. DUNNING, *Associate Professor of Clinical Medicine (Neurology)*. Assistant Attending Physician, New York Hospital; Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (A.B. 1927, M.D. 1930, Cornell. [1932; 1948])
- JOHN H. ECKEL, *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (B.S. 1929, New York University; M.D. 1933, Cornell. [1934; 1946])
- DAYTON J. EDWARDS, *Associate Dean; Associate Professor of Physiology*. (B.S. 1906, Maine; Ph.D. 1913, Columbia. [1918; 1922])
- CARY EGGLESTON, *Associate Professor of Clinical Medicine*. Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (M.D. 1907, Cornell. [1911; 1939])
- FRANK W. FOOTE, *Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (A.B. 1931, M. D. 1941, University of Virginia. [1949])
- CLAUDE E. FORKNER, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1922, M.A. 1923, University of California; M.D. 1926; Harvard [1938; 1946])
- RICHARD H. FREYBERG, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1926, M.D. 1930, M.S. 1934, University of Michigan. [1945])
- BYRON H. GOFF, *Associate Professor of Clinical Obstetrics and Gynecology*. Consultant in Obstetrics and Gynecology, New York Hospital. (B.S. 1908, M.D. 1911, Pennsylvania. [1935; 1942])
- KRISTIAN G. HANSSON, *Associate Professor of Clinical Surgery (Physiotherapy)*. Director of Physiotherapy, New York Hospital. (A.B. 1920, M.D. 1923, Cornell. [1925; 1948])
- JAMES D. HARDY, *Associate Professor of Physiology*. (A.B. 1924, A.M. 1925, Mississippi; Ph.D. 1930, Johns Hopkins. [1937; 1947])

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\*On leave of absence.

- EDWIN T. HAUSER, *Associate Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1916, College of the City of New York; M.D. 1922, Cornell. [1925; 1949])
- EDWARD J. HEHRE, *Associate Professor of Bacteriology and Immunology*. (A.B. 1934, M.D. 1937, Cornell. [1938; 1949])
- GEORGE W. HENRY, *Associate Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (A.B. 1912, Wesleyan; M.D. 1916, Johns Hopkins. [1928; 1932])
- CRANSTON W. HOLMAN, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital; Assistant Visiting Surgeon, Bellevue Hospital. (A.B. 1927, M.D. 1930, Stanford. [1932; 1946])
- CARL T. JAVERT, *Associate Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1932, Buffalo. [1937; 1949])
- HOWARD S. JECK, *Associate Professor of Clinical Surgery (Urology)*. (Ph.B. 1904, Yale; M.D. 1909, Vanderbilt. [1917; 1939])
- MORTON C. KAHN, *Associate Professor of Public Health and Preventive Medicine*. (B.S. 1916, Ph.D. 1924, Cornell; A.M. 1917, Columbia; Sc.D. 1938, Havana. [1919; 1934])
- FREDERICK L. LIEBOLT, *Associate Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon in Charge of Orthopedics, New York Hospital. (A.B. 1925, LL.D. 1928, University of Arkansas; M.D. 1930, Washington University; Sc.D. 1937, Columbia. [1939; 1946])
- MARY E. H. LOVELESS, *Associate Professor of Clinical Medicine (Allergy)*. Assistant Attending Physician, New York Hospital. (A.B. 1921, M.D. 1925, Stanford. [1939; 1948])
- WILLIAM F. MacFEE, *Associate Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (A.B. 1914, University of Tennessee; M.D. 1918, Johns Hopkins. [1936])
- COSMO G. MACKENZIE, *Associate Professor of Biochemistry*. (A.B. 1932, Sc.D. 1936, Johns Hopkins. [1947; 1949])
- JOHN MacLEOD, *Associate Professor of Anatomy*. (A.B. 1934, M.Sc. 1937, New York University; Ph.D. 1941, Cornell. [1941; 1949])
- GERVAIS W. McAULIFFE, *Associate Professor of Clinical Surgery (Otolaryngology)*. Attending Surgeon (Otolaryngology), New York Hospital. (M.D. 1920, Long Island College Hospital. [1926; 1942])
- HOWARD S. McCANDLISH, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1917, University of Virginia. [1921; 1949])
- WALSH McDERMOTT, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1930, Princeton; M.D. 1934, Columbia. [1935; 1946])
- CHARLES M. McLANE, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1924, M.D. 1928, Johns Hopkins. [1932; 1949])
- ALLISTER M. McLELLAN, *Associate Professor of Clinical Surgery (Urology)*. Attending Surgeon (Urology), New York Hospital; Attending Urologist, New York Hospital, Westchester Division. (M.D. 1924, McGill. [1932; 1948])
- VICTOR F. MARSHALL, *Associate Professor of Clinical Surgery (Urology)*. Attending Surgeon in Charge of Urology, New York Hospital. (M.D. 1937, University of Virginia. [1938; 1946])
- DONALD B. MELVILLE, *Associate Professor of Biochemistry*. (B.S. 1936, M.S. 1937, Ph.D. 1939, University of Illinois. [1944; 1948])
- ADE T. MILHORAT, *Associate Professor of Medicine in Psychiatry*. Associate Attending Physician, New York Hospital. (A.B. 1924, Columbia; M.D. 1928, Cornell. [1933; 1942])

- JAMES A. MOORE, *Associate Professor of Clinical Surgery (Otolaryngology)*. Attending Surgeon in Charge of Otolaryngology, New York Hospital. (B.S. 1930, Davidson College; M.D. 1934, Harvard. [1941; 1948])
- S. W. MOORE, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital; Assistant Visiting Surgeon, Bellevue Hospital. (B.S. 1926, Davidson; M.D. 1930, Harvard. [1932; 1946])
- CHARLES V. MORRILL, *Associate Professor of Anatomy; Chairman of Group F, Graduate School*. (A.M. 1906, Ph.D. 1910, Columbia. [1915; 1923])
- CARL MUSCHENHEIM, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1928, M.D. 1931, Columbia. [1933; 1946])
- GUSTAVE J. NOBACK, *Associate Professor of Anatomy*. (B.S. 1916, Cornell; M.A. 1920, Ph.D. 1923, University of Minnesota. [1946])
- HAROLD E. B. PARDEE, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1906, M.D. 1909, Columbia. [1917; 1926])
- RUSSEL H. PATTERSON, *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital; Visiting Surgeon, Bellevue Hospital. (A.B. 1914, Georgia; M.D. 1918, Harvard. [1921; 1946])
- E. COOPER PERSON, Jr., *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1931, University of North Carolina; M.D. 1935, Cornell [1936; 1946])
- JULIAN R. RACHELE, *Associate Professor of Biochemistry*. (B.A. 1934, M.S. 1935, Ph.D. 1939, New York University. [1940; 1948])
- RULON W. RAWSON, *Associate Professor of Medicine*. Attending Physician, Memorial Hospital. Chief of Clinical Investigation, Sloan-Kettering Institute. (M.B. 1937, M.D. 1938, Northwestern. [1948])
- THOMAS A. C. RENNIE, *Associate Professor of Psychiatry*. Attending Psychiatrist, New York Hospital. (B.S. 1924, Pittsburgh; M.D. 1928, Harvard. [1942])
- HENRY B. RICHARDSON, *Associate Professor of Clinical Medicine*. Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (A.B. 1910, M.D. 1914, Harvard. [1924; 1932])
- GEORGE A. SCHUMACHER, *Associate Professor of Clinical Medicine (Neurology)*. Attending Neurologist in Charge, Bellevue Hospital. (B.S. 1932, Pennsylvania State College; M.D. 1936, Cornell. [1938; 1949])
- EPHRAIM SHORR, *Associate Professor of Medicine*. Attending Physician, New York Hospital. (A.B. 1919, M.D. 1922, Yale. [1926; 1942])
- DONALD J. SIMONS, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (A.B. 1927, Brown; M.D. 1931, Harvard. [1939; 1948])
- CARL H. SMITH, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.A. 1915, College of the City of New York; M.A. 1917, Columbia; M.D. 1922, Cornell. [1928; 1947])
- MORRIS K. SMITH, *Associate Professor of Clinical Surgery*. (A.B. 1907, A.M. 1911, M.D. 1911, Dartmouth. [1919; 1946])
- HAROLD J. STEWART, *Associate Professor of Medicine*. Attending Physician, New York Hospital. (A.B. 1915, M.D. 1919, A.M. 1923, Johns Hopkins. [1932])
- PHILIP M. STIMSON, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1910, Yale; M.D. 1914, Cornell. [1919; 1942])
- JOHN Y. SUGG, *Associate Professor of Bacteriology and Immunology*. (B.S. 1926, Ph.D. 1931, Vanderbilt. [1932; 1943])
- EDWARD TOLSTOI, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1919, Yale; M.D. 1923, Cornell. [1927; 1947])
- PRESTON A. WADE, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1922, M.D. 1925, Cornell. [1927; 1946])

- JAMES H. WALL, *Associate Professor of Clinical Psychiatry*. Medical Director, New York Hospital, Westchester Division. (M.D. 1927, Jefferson Medical College. [1933; 1946])
- ROBERT F. WATSON, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. (M.D. 1934, University of Virginia. [1946])
- BRUCE P. WEBSTER, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (M.D.C.M. 1925, McGill. [1932; 1947])
- SYDNEY WEINTRAUB, *Associate Professor of Clinical Radiology*. Attending Radiologist, New York Hospital. (M.D. 1918, Columbia. [1932; 1941])
- HERVEY C. WILLIAMSON, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1908, New York University. [1917; 1941])
- MAY G. WILSON, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1911, Cornell. [1918; 1942])
- STEWART G. WOLF, Jr., *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (A.B. 1934, M.D. 1938, Johns Hopkins. [1939; 1949])

#### ASSISTANT PROFESSORS

- HAROLD B. ADAMS, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1917, Columbia; M.D. 1920, Cornell. [1934; 1944])
- ANDREW J. AKELAITIS, *Assistant Professor of Clinical Medicine (Neurology)*. Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (A.B. 1925, M.D. 1929, Johns Hopkins. [1947])
- JOSEPH F. ARTUSIO, Jr., *Assistant Professor of Surgery (Anesthesia)*. Anesthetist-in-Charge, New York Hospital. (B.S. 1939, St. Peter's; M.D. 1943, Cornell. [1946; 1948])
- IRVIN BALENSWEIG, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital. (B.S. 1915, College of the City of New York; M.D. 1918, Cornell. [1920; 1934])
- HENRY L. BARNETT, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1938, M.D. 1938, Washington University. [1946])
- \*LEONA BAUMGARTNER, *Assistant Professor of Public Health and Preventive Medicine; Assistant Professor of Clinical Pediatrics*. (A.B. 1923, M.A. 1925, Kansas; Ph.D. 1932, M.D. 1934, Yale. [1935; 1940])
- MILTON L. BERLINER, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Associate Attending Surgeon (Ophthalmology), New York Hospital. (M.D. 1918, Long Island College Hospital. [1928; 1934])
- CHARLES BERRY, *Assistant Professor of Anatomy*. (A.B. 1938, De Pauw; M.S. 1939, Ph.D. 1941, Northwestern. [1947])
- ROBERT W. BIRD, *Assistant Professor of Physiology*. (B.S. 1937, M.D. 1939, University of Virginia. [1940; 1948])
- ROY W. BONSNES, *Assistant Professor of Biochemistry in Obstetrics and Gynecology*. (B.S. 1930, University of Connecticut; Ph.D. 1939, Yale. [1941; 1947])
- GEORGE B. BROWN, *Assistant Professor of Biochemistry*. (B.S. 1934, M.S. 1936, Ph.D. 1938, University of Illinois. [1939; 1948])
- JACOB BUCKSTEIN, *Assistant Professor of Clinical Medicine*. Visiting Roentgenologist, Bellevue Hospital. (B.S. 1911, College of the City of New York; M.D. 1915, Cornell. [1927; 1940])
- JOSEPH H. BURCHENAL, *Assistant Professor of Medicine*. (M.D. 1937, University of Pennsylvania. [1949])

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\*On leave of absence until January 1950.

- HARRY W. BURNETT, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. (A.B. 1940, Miami University; M.D. 1943, Northwestern University [1948; 1949])
- WILLIAM H. CARY, *Assistant Professor of Clinical Obstetrics and Gynecology*. (M.D. 1905, Syracuse. [1937; 1946])
- ANTHONY C. CIPOLLARO, *Assistant Professor of Medicine (Dermatology)*. Assistant Attending Physician, New York Hospital. (B.S. 1924, Dartmouth; M.D. 1927, Columbia. [1948])
- CLEMENT B. P. COBB, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1922, Williams; M.D. 1926, Harvard. [1934; 1944])
- BRADLEY L. COLEY, *Assistant Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (B.A. 1915, Yale; M.D. 1919, Columbia. [1941])
- OGDEN F. CONKEY, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1908, St. Lawrence; M.D. 1912, Columbia. [1922; 1946])
- FRANK E. CORMIA, *Assistant Professor of Clinical Medicine (Dermatology)*. Assistant Attending Physician, New York Hospital. (B.S. 1926, M.D. 1930, University of Vermont. [1946; 1948])
- ROBERT L. CRAIG, *Associate Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1923, College of the City of New York; M.D. 1926, Cornell. [1932; 1949])
- JOHN H. DALE, Jr., *Assistant Professor of Pediatrics in Radiology*. Assistant Attending Pediatrician; Assistant Attending Radiologist (Pediatrics), New York Hospital. (B.S. 1935, Hamilton; M.D. 1939, Cornell. [1942; 1948])
- MARGARET DANN, *Assistant Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1923, Oberlin; M.S. 1925, Illinois; Ph.D. 1932, Cornell; M.D. 1937, Yale. [1938; 1945])
- HAROLD W. K. DARGEON, *Assistant Professor of Clinical Pediatrics*. (M.D. 1922, Albany. [1947])
- EMERSON DAY, *Assistant Professor of Public Health and Preventive Medicine*. B.S. 1934, Dartmouth; M.D. 1938, Harvard. [1947])
- ARCHIE L. DEAN, *Assistant Professor of Clinical Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital. Associate Attending Surgeon, Memorial Hospital. (B.S. 1913, M.D. 1917, Cornell. [1935; 1939])
- PETER G. DENKER, *Assistant Professor of Clinical Medicine (Neurology)*. Associate Visiting Neuro-Psychiatrist, Bellevue Hospital. (B.S. 1923, College of the City of New York; M.D. 1927, Cornell. [1932; 1941])
- J. LOUISE DESPERT, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1928, Barnard; M.D. 1932, New York University. [1939; 1947])
- JAMES A. DINGWALL, III, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1936, Dartmouth; M.D. 1940, Cornell. [1941; 1946])
- SAMUEL W. DOOLEY, *Assistant Professor of Pediatrics in Pathology*. Assistant Attending Pediatrician; Assistant Attending Pathologist, New York Hospital. (B.S. 1934, Illinois Wesleyan University; M.D. 1938, Johns Hopkins. [1940; 1947])
- ROBERT O. DuBOIS, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1915, M.D. 1919, Columbia. [1923; 1940])
- EDWARD A. DUNLAP, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.S. 1932, Westminster; M.D. 1935, Western Reserve. [1945; 1948])
- HERBERT R. EDWARDS, *Assistant Professor of Public Health and Preventive Medicine*. (M.D. 1918, College of Medical Evangelists. [1942])



- GEORGE F. EGAN, *Assistant Professor of Clinical Surgery (Dentistry)*. Attending Dental Surgeon in Charge, New York Hospital. (D.M.D. 1931, Harvard. [1933; 1948])
- HELENE ELIASBERG, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (M.D. 1919, University of Berlin. [1943; 1948])
- WILLIAM F. FINN, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1936, Holy Cross; M.D. 1940, Cornell. [1947; 1948])
- FRANKLIN M. FOOTE, *Assistant Professor of Public Health and Preventive Medicine*. (B.S. 1930, M.D. 1933, D.P.H. 1935, Yale. [1941])
- LEWIS M. FRAAD, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (M.D. 1935, University of Vienna. [1945; 1949])
- JOHN E. FRANKLIN, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1928, Notre Dame; M.D. 1932, Harvard. [1947; 1948])
- CONSTANCE FRIESS, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1928, Barnard; M.D. 1932, Cornell. [1933; 1944])
- RALPH W. GAUSE, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1926, University of Texas; M.D. 1930, Harvard. [1935; 1947])
- WILLIAM A. GEOHEGAN, *Assistant Professor of Anatomy*. (E.E. 1929, M.D. 1941, Cornell. [1941; 1944])
- JOHN C. A. GERSTER, *Assistant Professor of Clinical Surgery*. (A.B. 1902, M.D. 1905, Columbia. [1913; 1919])
- MARTIN J. GLYNN, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1931, Fordham; M.D. 1935, Long Island College. [1939; 1943])
- DAN M. GORDON, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.S. 1929, M.D. 1932, Michigan. [1945; 1948])
- ARTHUR V. GREELEY, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1925, Yale; M.D. 1929, Johns Hopkins. [1932; 1949])
- FRANCIS J. HAMILTON, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1928, St. Joseph's College; M.D. 1933, Jefferson. [1940; 1949])
- LAWRENCE W. HANLON, *Assistant Dean, Assistant Professor of Anatomy*. (A.B. 1935, M.D. 1938, Cornell. [1946; 1947])
- JAMES Q. HARALAMBIE, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1931, Oberlin; M.D. 1935, Yale. [1939; 1949])
- HELEN HARRINGTON, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B., M.A. 1916, University of Denver; M.D. 1920, Johns Hopkins. [1933, 1944])
- W. HALL HAWKINS, *Assistant Professor of Clinical Obstetrics and Gynecology*. (A.B. 1906, Central University of Kentucky; M.D. 1911, Johns Hopkins. [1932; 1941])
- MILTON HELPERN, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1922, College of the City of New York; M.D. 1926, Cornell. [1931; 1940])
- GUSTAVUS A. HUMPHREYS, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital; Assistant Visiting Surgeon (Urology), Bellevue Hospital. (A.B. 1927, Princeton; M.D. 1932, Columbia. [1937; 1946])



- FREDERICK C. HUNT, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1924, Western Ontario. [1932; 1940])
- GERALD R. JAMEISON, *Assistant Professor Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (M.D. 1918, Albany Medical College. [1933; 1936])
- GEORGE JASPIN, *Assistant Professor of Clinical Radiology*. Associate Attending Radiologist in Charge of School of Radiology, New York Hospital. (B.S. 1932, Columbia; M.D. 1936, Michigan. [1945; 1948])
- D. REES JENSEN, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (M.D. 1925, Columbia. [1928; 1949])
- DONALD G. JOHNSON, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.A. 1936, Maine; M.D. 1940, Yale. [1942; 1948])
- EDMUND N. JOYNER, III, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1927, Virginia Military Institute; M.D. 1932, Cornell. [1934; 1948])
- BERNARD KALFAYAN, *Assistant Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (M.D. 1939, American University of Beirut. [1948; 1949])
- DAVID A. KARNOFSKY, *Assistant Professor of Clinical Medicine*. (A.B. 1934, University of California; A.M. 1936, M.D. 1940, Stanford. [1949])
- GEORGE L. KAUER, Jr., *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1933, New York University; M.D. 1937, Cornell. [1938; 1949])
- SAMUEL F. KELLEY, *Assistant Professor of Clinical Surgery (Otolaryngology)*. Assistant Attending Surgeon (Otolaryngology), New York Hospital. (M.D. 1921, University of Texas. [1926; 1943])
- HEDWIG KOENIG, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1918, Barnard; M.A. 1920, Columbia; M.D. 1929, Johns Hopkins. [1935; 1944])
- MILTON L. KRAMER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1926, M.D. 1929, Columbia. [1935; 1949])
- JOHN S. LaDUE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1932, M.S. 1940, Ph.D. 1941, University of Minnesota; M.D. 1936, Harvard. [1947; 1948])
- NORVELLE C. LaMAR, *Assistant Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1921, M.D. 1925, Indiana. [1932; 1942])
- ERNEST W. LAMPE, *Assistant Professor of Clinical Surgery, Assistant Professor of Clinical Anatomy*. Assistant Attending Surgeon, New York Hospital; Visiting Surgeon, Bellevue Hospital. (B.S. 1920, University of Minnesota; M.D. 1923, Rush Medical School. [1941; 1945])
- ALEXANDER HAMILTON LEIGHTON, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1923, Princeton; M.A. 1934, Cambridge; M.D. 1936, Johns Hopkins. [1947])
- ELISE STRANG L'ESPERANCE, *Assistant Professor of Public Health and Preventive Medicine*. (M.D. 1900, Woman's Medical College. [1910; 1946])
- LEON I. LEVINE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1918, College of the City of New York; M.D. 1922, Cornell. [1924; 1939])
- MILTON I. LEVINE, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1923, College of the City of New York; M.D. 1927, Cornell. [1933; 1944])
- SOL S. LICHTMAN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1918, College of the City of New York; M.D. 1921, Cornell. [1943; 1947])

- LUIGI LUZZATI, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (M.D. 1937, University of Rome; M.S. 1942, M.D. 1943, University of Minnesota. [1947; 1948])
- JOHN F. McGRATH, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1902, Princeton; M.D. 1908, Cornell. [1921; 1933])
- FREDERICK C. McLELLAN, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon, New York Hospital; Attending Urologist, New York Hospital, Westchester Division. (B.S. 1929, M.D. 1933, Dalhousie; M.S. 1936, Michigan. [1941; 1948])
- LEONIDAS D. MARINELLI, *Assistant Professor of Radiology (Radiological Physics)*. (B.S. 1931, Cooper Union; M.A. 1936, Columbia. [1943])
- HAYES MARTIN, *Assistant Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (B.A. 1911, M.D. 1917, Iowa. [1941])
- ABRAHAM MAZUR, *Assistant Professor of Biochemistry in Medicine*. (B.S. 1932, College of the City of New York; M.A. 1934, Ph.D. 1938, Columbia. [1941; 1949])
- CURTIS L. MENDELSON, *Assistant Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1934, Michigan; M.D. 1938, Cornell. [1947])
- MARY E. MERCER, *Assistant Professor of Pediatrics, Assistant Professor of Pediatrics in Psychiatry*. (B.S. 1932, Simmons; M.D. 1943, Colorado. [1945; 1948])
- LAURENCE MISCALL, *Assistant Professor of Clinical Surgery*. Visiting Surgeon, Bellevue Hospital. (A.B. 1926, M.D. 1930, Cornell. [1942; 1947])
- WALTER MODELL, *Assistant Professor of Clinical Pharmacology*. (B.S. 1928, College of the City of New York; M.D. 1932, Cornell. [1932; 1949])
- JOSEPH N. NATHANSON, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (M.D.C.M. 1919, McGill. [1926; 1948])
- WILLIAM F. NICKEL, Jr., *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1930, M.D. 1934, Johns Hopkins. [1935; 1946])
- JAMES J. NICKSON, *Assistant Professor of Radiology*. (B.S. 1936, Harvard; M.D. 1940, Johns Hopkins. [1949])
- CHARLES T. OLCOTT, *Assistant Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (A.B. 1911, Princeton; M.D. 1916, Cornell. [1926; 1943])
- THEODORE W. OPPEL, *Assistant Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1926, M.A. 1927, Wisconsin; M.D. 1929, Pennsylvania. [1932; 1946])
- CHARLES H. O'REGAN, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1919, St. Francis Xavier; M.D. 1928, McGill. [1932; 1944])
- GEORGE T. PACK, *Assistant Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (B.S. 1920, Ohio State; M.D. 1922, Yale. [1935])
- DOUGLASS PALMER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1909, Williams; M.D. 1915, Cornell. [1925; 1939])
- HERBERT PARSONS, *Assistant Professor of Clinical Surgery (Neurosurgery)*. Assistant Attending Surgeon (Neurosurgery), New York Hospital. (A.B. 1931, Yale; M.D. 1935, Harvard. [1938; 1949])
- JOHN B. PASTORE, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1927, Brown; M.D. 1931, Johns Hopkins. [1933; 1948])
- OLOF H. PEARSON, *Assistant Professor of Clinical Medicine*. (A.B. 1934; M.D. 1939, Harvard. [1949])

- FRANK H. PETERS, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. Visiting Physician, Bellevue Hospital. (C.E. 1915, Pennsylvania Military College; M.D. 1920, Columbia. [1934; 1940])
- FREDERICK S. PHILIPS, *Assistant Professor of Pharmacology*. (B.A. 1936, Columbia; Ph.D. 1940, Rochester. [1948])
- JOHN G. PIERCE, *Assistant Professor of Biochemistry*. (A.B. 1941; A.M. 1942; Ph.D. 1944, Stanford. [1948; 1949])
- NORMAN PLUMMER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1922, University of California; M.D. 1926, Cornell. [1928; 1941])
- JOHN L. POOL, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, Memorial Hospital. (B.S. 1930, Princeton; M.D. 1934, Columbia. [1948])
- HERBERT J. RIEKERT, *Assistant Professor of Clinical Surgery (Orthopedics)*. Assistant Attending Surgeon (Orthopedics), New York Hospital. Associate Visiting Surgeon, Bellevue Hospital. (A.B. 1932, M.D. 1935, Cornell. [1942; 1946])
- WALTER F. RIKER, Jr., *Assistant Professor of Pharmacology*. (B.S. 1939, Columbia; M.D. 1943, Cornell. [1941; 1947])
- FRED V. ROCKWELL, *Assistant Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1931, M.D. 1936, Rochester. [1939; 1946])
- WILBERT SACHS, *Assistant Professor of Clinical Medicine (Dermatology)*. (B.A. 1920, College of the City of New York; M.A. 1921, Columbia; M.D. 1925, Western Reserve. [1948])
- NELSON B. SACKETT, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1917, Princeton; M.D. 1923, Columbia. [1932; 1948])
- JOHN G. SCHMIDT, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital. (A.B. 1925, Williams; M.D. 1930, Harvard. [1939; 1946])
- JACOB T. SHERMAN, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1923, New York Medical College. [1932; 1948])
- ROBERT S. SHERMAN, *Assistant Professor of Radiology*. (Ph.B. 1931, Brown; M.D. 1935, Harvard. [1947])
- FRANK R. SMITH, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital; Associate Attending Surgeon, Memorial Hospital. (A.B. 1917, Yale; M.D. 1921, Harvard. [1932; 1941])
- J. JAMES SMITH, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician and Acting Director of Second Medical Division, Bellevue Hospital. (A.B. 1934, St. Peters; M.D. 1938, Cornell. [1939; 1946])
- ISRAEL STEINBERG, *Assistant Professor of Clinical Medicine, Assistant Professor of Clinical Radiology (Angiocardiography)*. Assistant Attending Radiologist (Angiocardiography), New York Hospital. (B.S. 1924, M.D. 1928, Harvard. [1940; 1949])
- RALPH G. STILLMAN, *Assistant Professor of Medicine (Clinical Pathology)*. (A.B. 1903, Yale; M.D. 1907, Columbia. [1912; 1922])
- JOSEPH V. SULLIVAN, *Assistant Professor of Clinical Radiology*. (M.D. 1932; Long Island College. [1943])
- HENRY J. TAGNON, *Assistant Professor of Clinical Medicine*. (B.S. 1931, Liège; M.D. 1936, Brussels. [1947; 1948])
- ALPHONSE E. TIMPANELLI, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (A.B. 1932, Columbia; M.D. 1936, Cornell. [1938; 1949])
- RALPH R. TOMPSETT, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1934, M.D. 1939, Cornell. [1947])

- JANET TRAVELL, *Assistant Professor of Clinical Pharmacology*. (A.B. 1922, Wellesley; M.D. 1926, Cornell. [1930; 1947])
- JOHN H. TRAVIS, *Assistant Professor of Clinical Psychiatry*. (M.B. 1911, University of Toronto. [1941; 1945])
- LIVINGSTON WELCH, *Assistant Professor of Psychology*. (A.B. 1931, M.A. 1932, Ph.D. 1935, Columbia. [1947])
- EXIE E. WELSCH, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (B.S. 1930; M.D. 1932, University of Indiana. [1949])
- JOHN P. WEST, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (B.S. 1927, Alabama Polytechnic Institute; M.D. 1932, Cornell. [1938; 1949])
- LOUIS E. WEYMULLER, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.Sc. 1923, M.D. 1925, University of Nebraska. [1936; 1949])
- MARJORIE A. WHEATLEY, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1919, Vassar; M.D. 1929, Columbia. [1931; 1945])
- CHARLES H. WHEELER, *Assistant Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (B.S. 1931, Princeton; M.D. 1935, Cornell. [1936; 1944])
- GEORGE W. WHEELER, *Assistant Professor of Medicine (Clinical Pathology)*. (M.D. 1907, Cornell. [1917; 1923])
- STEPHEN WHITE, *Assistant Professor of Clinical Radiology*. Associate Attending Radiologist, New York Hospital. (B.S. 1920, College of the City of New York; M.D. 1924, Cornell. [1931; 1944])
- WILLET F. WHITMORE, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital. (B.S. 1938, Rutgers; M.D. 1942, Cornell. [1943; 1948])
- BYARD WILLIAMS, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1926, Williams; M.D. 1930, Columbia. [1933; 1949])
- GEORGE A. WOLF, Jr., *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1936, New York University; M.D. 1941, Cornell. [1942; 1949])
- ALFRED YANKAUER, *Assistant Professor of Public Health and Preventive Medicine*. (A.B. 1934, Dartmouth; M.D. 1938, Harvard; M.P.H. 1947, Columbia. [1948])
- BENJAMIN W. ZWEIFACH, *Assistant Professor of Physiology in Medicine*. (B.S. 1931, M.S. 1933, Ph.D. 1936, New York University. [1947])

# *General Statement*

## HISTORY

CORNELL UNIVERSITY MEDICAL COLLEGE was established by the Board of Trustees of Cornell University on April 14, 1898, when they elected Dr. William M. Polk Director of the College and Dean of the Medical Faculty, and appointed six professors. The medical college was made possible by the munificence of Colonel Oliver H. Payne, who provided the funds for the erection of the original building of the medical college located at 28th Street and First Avenue, and pledged his support to the new institution. For several years he provided funds for the annual support of the college and later placed the institution on a secure foundation by making generous provision for its permanent endowment by a gift of over four million dollars.

In October, 1898, instruction began in temporary quarters. As the medical college admitted a number of students to advanced standing, Cornell University granted the degree of Doctor of Medicine for the first time in 1899.

The Cornell University Medical College from its foundation has undertaken to carry out two allied activities, the development of physicians of the best type and the extension of medical knowledge by means of research. The medical faculty has held from the beginning of its existence the attitude that these two functions are necessary as constituting a true university school. It is committed not only to conduct teaching of high order, but also to study disease and the sciences underlying medicine in order to add to medical knowledge.

## THE NEW YORK HOSPITAL-CORNELL MEDICAL COLLEGE ASSOCIATION

The Cornell University Medical College and the New York Hospital have been cooperating for a long time in an arrangement for medical teaching. In September, 1932, however, the two institutions took up occupancy in the same plant.

The New York Hospital was founded by Royal Charter on June 13, 1771, in the reign of King George III, and has stood throughout the life of the nation as one of the foremost hospitals in the United States, as an institution rendering service to the sick and injured, and as a center

of medical education. For a number of years the hospital and the medical college had been partially affiliated. In June, 1927, an agreement was entered into between Cornell University and the New York Hospital by which the New York Hospital-Cornell Medical College Association was formed for the purpose of bringing together their facilities and cooperating in the care of patients, in medical education, and in medical research. In order to harmonize the interests of the hospital and of the medical college, the Joint Administrative Board was formed consisting of three representatives of each institution and a seventh member elected by those appointed by the hospital and by the university.

Additional endowment was secured by each institution. A group of buildings was erected along the East River between 68th and 71st Streets, adjoining the Rockefeller Institute for Medical Research. The new plant affords separate buildings for each of the various laboratory departments, and includes approximately 1000 hospital beds. Provision is made for medicine, surgery, obstetrics and gynecology, pediatrics, and psychiatry in five distinct clinical units.

The faculty of the medical college and the professional staff of the hospital are organized so as to form one body established on a university basis.

The new plant affords very favorable conditions for the conduct of medical education, for the pursuit of medical research, and for the care of patients in all phases of medical practice.

### FACILITIES FOR INSTRUCTION

From the point of view of medical instruction, the facilities provided by the plant of the New York Hospital-Cornell Medical College Association are in many respects unexcelled. The plant consists of eleven buildings, joined either directly or by underground passages. These provide ample accommodations for the care of hospital patients, for the teaching of the clinical branches, and for the various activities connected with the work of the preclinical departments of the medical college.

*CORNELL MEDICAL COLLEGE.* Instruction in the medical sciences is conducted in a group of buildings extending along York Avenue from 68th to 70th Streets, centering in a court at the end of 69th Street where the entrance to the medical college is located. This group comprises four units facing on York Avenue each of which is five stories high. The extreme northern and southern buildings connect with the central group by means of two-story structures. In this series of buildings the one to the north (unit A) is devoted entirely to the department

of anatomy; the one next to this on the south (unit B) to bacteriology and immunology; the third (unit D) to physiology; the fourth (unit E) to biochemistry and pharmacology. A seven-story building (unit C) joins the buildings B and D in the center and in this are the offices of the medical college, the library, and the department of pathology. This central building of the college is joined on all floors with the central hospital building. Certain of the laboratories of the department of public health and preventive medicine are located in the two-story building which adjoins the bacteriology unit to the north but the major part of this department is comprised in the Kips Bay-Yorkville Health Center building of the City of New York, located one-half a block west from the medical college on 69th Street.

In the main buildings of the medical college, student laboratories and lecture rooms are provided on the second and third floors, and extensive facilities for research by staff and students are available on other floors. Locker rooms are provided for the use of students. A cafeteria under the direction of the chief dietitian of the New York Hospital is maintained for students and faculty.

*NEW YORK HOSPITAL.* Clinical instruction is given in the five separate clinics forming the New York Hospital. The medical and surgical clinics occupy the central hospital building, while the women's clinic, the pediatric clinic, and the psychiatric clinic extend from north to south, overlooking the East River. Each clinic contains, besides provision for bed-patients, its own out-patient department, lecture rooms and laboratories for routine study and for clinical research. Special provision has also been made for the laboratory work of students. The medical clinic occupies the second to fourth floors of the central hospital building, with six pavilions for bed-patients, three floors for its out-patient department, and extensive laboratories for chemical, physiological, and biological research. The surgical clinic occupies the pavilions from the fifth to the ninth floor, with out-patient and other facilities for the various surgical specialists. The operating rooms are on the tenth and eleventh floors. Above are six floors containing one hundred rooms for private patients, while the living quarters for the resident staff are on the six floors at the top of the building. The entire hospital has a capacity of approximately 1,182 beds.

The head of each clinic, responsible for the care of patients and the conduct of professional services of the hospital, is also professor in charge of the corresponding department of the medical college. Each clinical department is staffed in part by teachers and clinicians, including the professor in charge, who devote their entire time to the service of the college and hospital, while other members of these departments devote part of their time to private practice.



## OTHER HOSPITALS FOR CLINICAL INSTRUCTION

Although the clinical teaching is conducted largely in the New York Hospital, advantage is also taken of special facilities afforded by other hospitals. In some of these hospitals the staff appointments are controlled by the medical college, while in others the teaching privileges have been granted to the members of the staffs who are also members of the medical college faculty.

*BELLEVUE HOSPITAL.* Bellevue is the central hospital of the New York City Department of Hospitals. It contains 3325 beds and is devoted to the treatment of acute diseases. It is organized in four divisions, one of which has been placed at the disposal of the faculty of Cornell University Medical College for medical instruction. The services conducted by the college include a medical service and a surgical service, each of 90 beds, a urological service and neurological service of approximately 60 beds. The staffs of these services are nominated by the college from among the members of its faculty and teaching staff, and the medical college is responsible for the professional conduct of these services.

*MEMORIAL HOSPITAL.* Through the generosity of the late Dr. James Douglas, who provided the hospital with an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College. The agreement between the Memorial Hospital and the College, requires that the professional staff be named by the Council of the Medical College subject to the approval of the board of managers of the hospital. The facilities of the hospital, which are of exceptional value in the field of cancer, are available for study in this field by the members of the hospital staff, and unusual opportunities are afforded for instruction in the pathology, diagnosis, and treatment of neoplastic diseases.

*MANHATTAN STATE HOSPITAL.* Ward's Island. This hospital for the care and treatment of mental diseases accommodates over 5,000 patients. Through the courtesy of the superintendent, the Department of Psychiatry is enabled to utilize this clinical material for bedside study of patients and for the instruction of students.

*WILLARD PARKER HOSPITAL.* Instruction in infectious diseases is conducted at the Willard Parker Hospital, where staff positions are held by members of the faculty and teaching staff who have the privilege of conducting medical instruction.

*LINCOLN HOSPITAL.* This unit of the New York City Department of Hospitals has a bed capacity of 469 and facilities for handling cases in all divisions of clinical work. Through cooperative arrangements

made possible by members of our teaching staff holding assignments on the hospital staff, a certain part of the teaching of medicine in the second year course is carried out on the wards of Lincoln Hospital. The abundance of clinical material and the type of disease met with in this institution afford a valuable adjunct to the work in this part of the medical course.

### THE RUSSELL SAGE INSTITUTE OF PATHOLOGY

This Institute has been associated with Cornell University Medical College since 1913.

At first it was affiliated with the Second Medical (Cornell) Division of Bellevue Hospital, but since 1932 it has been in the New York Hospital. The Institute has supported work in metabolism which has been conducted by the members of the departments of medicine and physiology. The respiration calorimeter which was operated for a number of years by Dr. DuBois at Bellevue Hospital has been transferred by the directors of the Institute to the New York Hospital and sufficient funds provided for carrying on the important metabolic studies by members of the staff. The medical director of the Institute is Dr. EUGENE F. DuBOIS, Professor of Physiology.

### THE LOOMIS LABORATORY

Founded in 1886 and located at 414 East 26th St. this institution served the purpose of undergraduate instruction in the Medical College and provided facilities for original research in the various departments of laboratory investigation. The present Medical College building contains space dedicated to the original Loomis Laboratory and its established objectives.

### THE LIBRARY

The reading room of the library is situated on the second floor of the central group of laboratory buildings, directly over the entrance of the medical college. The current journals are kept in racks about three sides of the room. The book stacks are directly behind and open to the reading room, extending down to the sub-basement with six floors of stacks and accommodations for about 100,000 volumes. There is also a library seminar room, and several rooms for the library staff.

The library contains at the present time about 40,000 volumes, largely made up of complete sets of important journals in the fields of clinical medicine and the medical sciences, in English, German, and French. There are also well-selected collections of monographs, textbooks, and reprints.

Several of the departments of the medical college have libraries containing journals, monographs, and text books pertaining especially

to the subject matter of the department. These serve to supplement in a useful way the scope of the main library.

The library is under the direction of a committee of the faculty, and in charge of a trained librarian who gives instruction to students on the proper methods of using the library and of searching medical literature.

A special fund, maintained in memory of Alfred Moritz Michaelis, M.D. Cornell 1925, who died the year after his graduation, is used for the purchase of books of cultural and historic values in medicine.

In addition to the college library, students may obtain certain privileges at the library of the New York Academy of Medicine, Fifth Avenue and 103rd Street, the second largest medical library in the United States.

## *Requirements for Admission and Graduation*

THE FACULTY of Cornell University Medical College, in defining the qualifications for admission to the medical profession, attaches particular importance to the liberal culture and general education implied by the acquisition of a college degree. Due to the acceleration of college training under the Army and Navy Programs during the war, the degree requirement was suspended. A return to the college degree as a prerequisite for acceptance has now been re-adopted by faculty and trustee action and beginning in the fall of 1950 only the following candidates for the degree of Doctor of Medicine will be admitted to Cornell Medical College.

I. Graduates of approved colleges or scientific schools; or

II. Seniors in good standing in Cornell University or in any other approved college or scientific school whose faculty will permit them to substitute the first year of the professional course for the fourth year in arts and sciences, and who will confer upon them the bachelor's degree upon the satisfactory completion of the first year of the course in the Cornell University Medical College. No student admitted under this clause is permitted to enter the second year of the curriculum without having obtained a baccalaureate degree.

III. Persons who, while not possessing a bachelor's degree, give evidence by examination that they have acquired an equivalent education and a training sufficient to enable them to profit by the instruction offered in the medical college. This rule is intended to apply to students of foreign universities.

The Basic premedical requirements which all students must fulfill to qualify for admission to the study of medicine in New York State are set forth in the "Regulations of the Commissioner of Education," the pertinent part of which is as follows: "A candidate shall present evidence of having satisfactorily completed two years of study toward a liberal arts degree registered by the Department; or its equivalent as determined by the Commissioner. The required two years of college study shall include at least 6 semester hours each in English, physics, biology or zoology, and general chemistry, and 3 semester hours in organic chemistry."

Although the requirements outlined above form the basis of eligibility for admission to the medical course, they should be considered as representing the irreducible minimum. The list contains a total of twenty-seven credit points which probably represents sufficient time to enable the student to obtain a basic preparation in these different fields. In many colleges, however, additional credits in one or more of these departments are required of the candidate in order to satisfy major requirements for the degree. In making the choice of elective courses, consideration should be given to the principle that thorough training in the sciences is essential. On the other hand, too many elective courses in these departments may not provide the most acceptable preparation for medicine, since it tends to limit the time available for study in other departments offering work of a broad educational value.

A course in comparative embryology affords a good background on which to build the teaching in this subject in the early part of the medical course. It is recommended also that of other electives in the biological field consideration be given to training in genetics and the principles of inheritance. The work in organic chemistry is particularly valuable and should be carried far enough to give a thorough command of this subject, likewise, a course in quantitative analysis will be found most useful in rounding out the training in chemistry. Students preparing for medicine frequently regard their training in physics merely as the fulfillment of a requirement which is satisfied by the completion of a one year course in this subject. With the increasing interest in applied and atomic physics, however, and the advancements in the study of disease through training in these fields, it will profit students very much who are planning to enter medicine to elect advanced courses in physics. A reading knowledge of two foreign languages is highly desirable and recommended as a part of the preparation for medicine. It is also suggested that students follow mathematics of college grade up to and including calculus, if advanced work in medical sciences is contemplated. Students planning to study medicine should bear in mind that bacteriology, immunology, human physiology, and abnormal psychology are properly subjects of the medical, and not of the pre-medical curriculum. In planning pre-medical work students are advised to elect subjects which will lay a broad foundation for medical study rather than to anticipate courses required as a part of the medical curriculum.

As a general rule the courses given in professional schools of Pharmacy, Veterinary Medicine, and Agriculture are not considered as fulfilling adequately the admission requirements.

### APPLICATIONS FOR ADMISSION

All requests for application forms and enquiries regarding dates for submitting applications should be addressed to the Committee on Ad-

missions, 1300 York Avenue, New York City. In making application for admission, the regular form issued for this purpose must be filled out and submitted to the Office of Admissions. Candidates are accepted for only one class in advance. With the large number of students making application in recent years, it has been necessary to assign a definite period for distributing application forms. For the class entering in September 1950 forms will be available between August 1, 1949 and February 1, 1950 and applications must be submitted prior to March 1, 1950 to receive consideration.

It is impossible for the Committee on Admissions to hold personal conferences with all candidates for admission as the number is too great but selected individuals from the group of applicants receive an invitation to appear before members of the Committee.

Applications are passed upon by the Committee on Admissions after all credentials have been filed. As soon as the Committee takes favorable action upon an applicant, a letter of acceptance is immediately forwarded to him and accepted applicants are required to make a deposit of fifty dollars within a specified time. This deposit is not returnable, but is credited toward the first tuition payment. If the accepted student fails to make this deposit within the stipulated time, he forfeits his place on the class roll.

A student who has previously attended another medical school and has been dropped for poor scholarship or unfavorable conduct is not an acceptable candidate for re-admission to any class in Cornell Medical College. It is inadvisable, therefore, for one with this background to go through the formality of submitting an application.

### ADMISSION TO ADVANCED STANDING

When vacancies occur, students may be admitted to advanced standing.

Application for a place in one of the upper classes should be filed according to the procedure described for admission to the first year class. Accepted applicants are required to make the deposit of fifty dollars. Applicants must not only furnish acceptable evidence of having satisfactorily completed in an approved medical school all of the work required of students of the class they wish to enter, but also of having completed the conditions of admission to the first-year class at Cornell University Medical College. They must present a certificate of honorable dismissal from the medical school or schools they have attended and they may be required to take examinations in any of the medical courses taken at another school.

Although a certain number of students are regularly admitted from other institutions to enter the third year class at Cornell University

Medical College, rarely have there been acceptances made of students to enter the fourth year on the basis of work at another medical school. Candidates seeking admission to the fourth year are required to come before the clinical departments for a thorough examination before final action is taken on their applications.

Persons who have received the degree of Doctor of Medicine at another institution will not be accepted as candidates for this degree at Cornell University Medical College. Likewise, persons who have finished all or part of the course in dentistry and seek a transfer to medicine are discouraged from making application here since Cornell does not have a department of dentistry and makes no provision for adapting the teaching in this subject to the medical curriculum.

### ADVANCEMENT AND EXAMINATION

The entire medical curriculum is arranged in four courses, or academic years, and the student advances in steps of an academic year at a time. It is necessary that he complete all subjects listed in a given academic year before taking up the next succeeding group of subjects, and to be *readmitted* to the medical college in one of the advanced years (second, third, or fourth) he must be approved for promotion by the Faculty.

Any student who by quality of work or conduct indicates an unfitness to enter the profession of medicine may, at the discretion of the Faculty, be required at any time to withdraw from the medical college.

At the close of the academic year examinations are given in all subjects excepting those extending through a part of the year only, in which examinations may be held at the close of the course in the hours allotted thereto. In making up a student's rating in a given course, all work covered in that subject during the year is taken into account and due weight assigned to the effort he puts into his work, his seriousness of purpose, and his scholastic resourcefulness, as well as the results of the final examination.

A final rating is made for each student at the end of the academic year, based on the results of his performance in all courses in the curriculum of that year. These final ratings of students are made on the recommendations of the Committee on Promotion and Graduation, then reviewed and formally acted on by the Faculty. The Faculty ratings classify all students of the medical course under one of four groups, as follows:

1. Students with no encumbrances in any subject are recorded as "passed." This rating confers eligibility for re-admission into the medical college in the next higher class, unless by reason of conduct the Faculty considers the student unsuited for the medical profession.



2. Students with an unsatisfactory rating in 40% or more of the required hours in a given year are recorded as "not passed." A rating of "not passed" carries ineligibility for re-admission into the medical college.

3. Students with an unsatisfactory rating in less than 40% of the required hours of a given year are recorded as "conditioned." A "conditioned" student has failures in certain required courses and he may be re-examined in these subjects, but only after pursuing additional work under the direction of the head of the department in which a failure has occurred. Students who fail on re-examinations are ineligible for re-admission into the medical college, unless under special circumstances they are permitted by the Faculty to repeat courses in which their work was deficient.

4. Students with uniformly low grades in most subjects of the course for two years or more are subject to special review by the Faculty and any student with a record of this kind may be deemed unqualified to enter the medical profession. A rating in this group carries ineligibility for re-admission into the medical college.

It is a well-established policy of the medical college to make no announcement to students of grades received in any subject of the medical course. At the close of each academic year, however, students are informed of the quarter of the class in which their weighted average score places them in the order of class standing.

A transcript of the medical college record of a student or graduate will be mailed on his request to accredited hospitals and to educational or other well-recognized institutions as credentials in support of his application for a position or promotion. All transcripts are marked "confidential" and carry the instructions that they are not to be turned over to the candidate. This ruling is for the purpose of avoiding possible loss and fraudulent use of an official document of the medical college. The medical college makes no charge for sending out transcripts of record.

## REQUIREMENTS FOR GRADUATION

The candidates for the degree of Doctor of Medicine must have attained the age of twenty-one years, and be of good moral character.

They must have completed successfully four full courses of at least eight months each as regular matriculated medical students, the last of which must have been in Cornell University Medical College. They must have satisfactorily completed all the required work of the medical curriculum and must have passed all prescribed examinations. At the end of the fourth year every student who has fulfilled these requirements will be recommended to the President and Trustees of Cornell University for the degree of Doctor of Medicine.

## EXAMINATIONS FOR MEDICAL LICENSURE

Graduates of Cornell University Medical College are admitted unconditionally to the examinations for license to practice medicine in all states of the United States.

Students and graduates of Cornell University Medical College are admitted to the examinations of the National Board of Medical Examiners, whose certificate is recognized by the respective authorities of England, Scotland, and Ireland. Although national in scope and organized under the laws of the District of Columbia, the National Board of Medical Examiners is not to be confused as a Federal Government agency. For information write to The National Board of Medical Examiners, 225 South Fifteenth Street, Philadelphia, Pa.



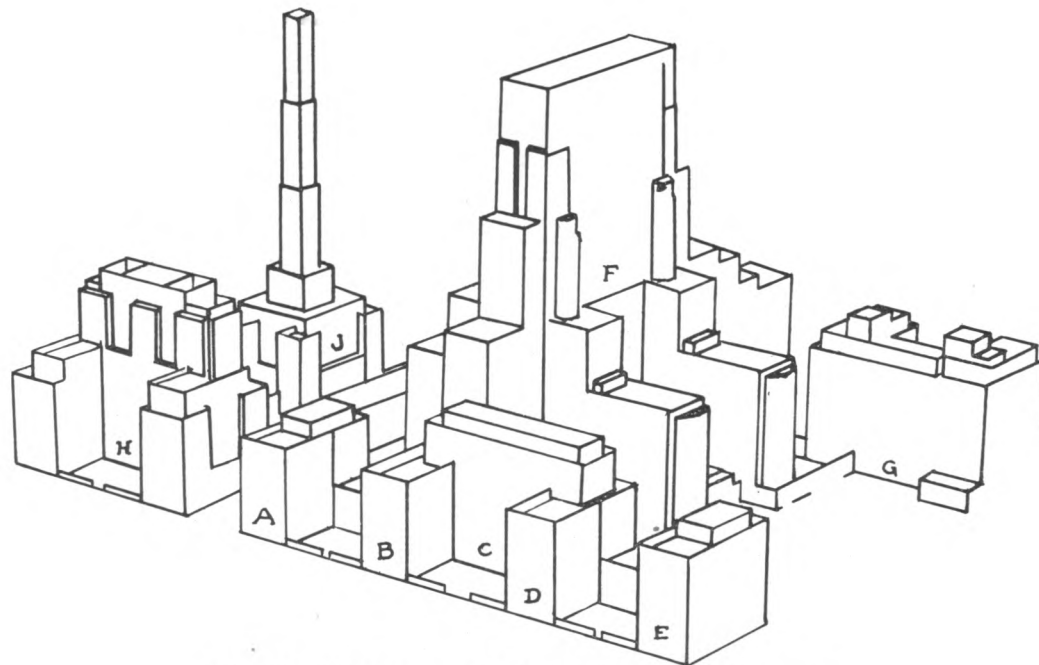
NEW YORK HOSPITAL — CORNELL MEDICAL COLLEGE

From the East showing Hospital



NEW YORK HOSPITAL— CORNELL MEDICAL COLLEGE

From the West showing Medical College



KEY TO THE PHOTOGRAPH ON THE OPPOSITE PAGE

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|----------------------------------|-----------------------------------|--|
| A: Anatomy.                      | D: Physiology.                    | G: Payne Whitney's Psychiatric Clinic. |
| B: Bacteriology and Immunology.  | E: Biochemistry and Pharmacology. | H: Nurses' Residence.                  |
| C: Administration and Pathology. | F: New York Hospital.             | J: Service and Power.                  |

# General Information

## FEES AND EXPENSES

All fees for instruction and other charges are paid at the Business Office of the Medical College, Room F-106, 1300 York Avenue, New York 21, N. Y.

*Veterans receiving Federal or State educational benefits are required to report to the Veterans Affairs Office, Room A-131, immediately after registering.*

MATRICULATION FEE (payable only once) . . . . \$ 10

TUITION FEE, for academic year . . . . . 700

This charge is payable at the beginning of the academic year, or in three equal parts, the first of which must be made at registration. For fourth year students in the academic year of 1948-1949, the first installment will be due on or before September fourteenth. No refund or rebate will be made in any instance.

ACCEPTANCE DEPOSIT . . . . . 50

Each student admitted is given notice of favorable action on his application and a limited time (usually two weeks) in which to decide if he will enroll in the entering class. His name is not placed on the class list until the acceptance fee is paid. The fee is credited towards the tuition charge and is not returnable if the student fails to enter.

STUDENT HEALTH FEE, for calendar year . . . . . 12

A study of the care and treatment of students during periods of sickness or injury has shown a need for a hospitalization plan to provide adequate medical attention and to assist in defraying medical costs. A compulsory plan is now in effect, which assures a limited period of care to all students during the time they are members in good standing in the medical college.

BREAKAGE DEPOSIT . . . . . 10

This deposit is required of first and second year students at the beginning of each academic year, and will be returned, less the amount charged for breakage, at the end of the year.



**GRADUATION FEE** . . . . . 25

This charge is payable two months before graduation.

**BOOKS AND INSTRUMENTS, exclusive of Microscopes —**

The average cost is approximately \$110 a year, distributed as follows: First year, \$140; Second year, \$215; Third year, \$50; Fourth year, \$30.

**MICROSCOPES**

All students entering the medical college are required to provide themselves with satisfactory microscopes.

**RESIDENCE AND LIVING EXPENSES**

Accommodations are available for 220 students in temporary quarters pending completion of a Student Residence. In these facilities the rooms are ample in size and each provides space to accommodate two students. The location is within one block of the Medical College and rentals are held to a moderate price range. Applications may be made for room reservations at the time of acceptance to enter the Medical College.

Cafeterias in the Medical College and the New York Hospital afford facilities for students to obtain well-balanced meals at a conservatively low price in comparison with New York City costs.

For students planning to take up the study of medicine, the problem of financing the course is often a difficult one to solve. Although experiences in the undergraduate college may suggest the possibility of supplementing resources by carrying on outside work during the medical course, there is ample evidence to show that a student's entire time and undivided attention are required for study. It is unwise, therefore, to depend upon earning any part of one's expenses during the college year.

The Medical College has a limited sum used as a revolving loan fund and available to students in need of some assistance. Every effort is made within the limitations of the financial structure of the institution to help students who by reason of unforeseen circumstances get into money difficulties. A special committee considers each case on its individual merits. A student having indebtedness to the Medical College in other ways than formal loans is ineligible for graduation.

**STUDENT HEALTH SERVICE**

Members of the first year class and students transferred to advanced standing from other colleges are required to have a physical examination by a member of the Student Health Staff. In addition, each student in the medical college must report once each year for an X-ray



examination of the lungs. In the fourth year all members of this class are called for a re-examination and a careful check of the findings made with those presented at the time the student entered. Students pay no fee for the yearly X-ray examination, nor for the services of the Student Health Staff, but they are charged for any special X-ray studies. Office hours are held from one to two o'clock daily by the Student Health Staff. Health records are kept and students advised concerning their physical condition and general health. All cases of illness must be reported to the college office. Students may have in attendance physicians of their own choice, but a reasonable amount of cooperation between such physicians and the college Health Service is expected.

### PRIZES

1. *FOR GENERAL EFFICIENCY.* In commemoration of John Metcalfe Polk, an instructor in this college, who was graduated from Cornell University Medical College on June 7, 1899, and died on March 29, 1904, prizes will be presented at each commencement to the three students having the highest standing for the four years' work. Only those who have taken the full course of study at Cornell University Medical College are eligible. The first prize is \$250, the second \$100, and the third \$50.

2. *FOR EFFICIENCY IN OPHTHALMOLOGY.* Two prizes, the first of \$50, the second of \$25, are offered by Professor Bernard Samuels to the two students of the graduating class who make the best records in Ophthalmology.

3. *FOR EFFICIENCY IN OTOLARYNGOLOGY.* Two prizes, the first of \$50, the second of \$25, are offered by members of the staff of otolaryngology to the two students of the graduating class who make the best record in this specialty.

4. *FOR EFFICIENCY IN OBSTETRICS.* Two prizes, the first of \$50, the second of \$25, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligman in obstetrics, to be given to the two students of the graduating class who have made the best records in obstetrics.

5. *FOR EFFICIENCY IN GENERAL MEDICINE.* The income from \$1,000 is offered as a prize for general efficiency in the Department of Medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from Cornell University Medical College on June 11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926. Presented at each commencement to a member of the graduating class who has pursued the full course at Cornell University Medical College.

6. *THE MARY ALDRICH FUND*. In memory of William Mecklenburg Polk, M.D., LL.D., first dean of the Medical College, two prizes are offered for proficiency in research to regularly matriculated students of the Cornell University Medical College, the first of \$150, and the second of \$50. Members of all classes are eligible for these prizes.

The awards are made at the end of each academic year for the best report presented in writing of research work done by students, or for valuable reviews and logical presentations on medical subjects not to be found fully considered in a single text or reference book. If the papers submitted are not considered worthy of special commendation the prizes will be withheld.

Papers are submitted in quadruplicate in a sealed envelope marked, "Dean William Mecklenburg Polk Memorial Prize Committee," and must be in the Administrative Office not later than two weeks prior to the end of each academic year.

The committee of awards for this prize consists of two members of the faculty from laboratory departments, and two from clinical departments.

7. *THE WILLIAM C. THRO MEMORIAL FUND*. Established in memory of William C. Thro of the class of 1901 whose all-absorbing interest in and devotion to clinical pathology found expression in the teaching and practice of this subject in his alma mater continuously from 1910 to 1938. This prize award is to be given to the student showing the best record in the course in clinical pathology. The candidate for the prize is to be recommended by the professor of clinical pathology and the award made by the Committee on Prizes and Scholarships.

8. *THE HERMAN L. JACOBIOUS PRIZE IN PATHOLOGY*. Established in 1945 by a gift from Dr. Lawrence Jacobius and his friends in memory of his son who was killed in action in the Netherlands on September 28, 1944. Dr. Herman L. Jacobius was a member of the class of 1939. The income of the fund is available annually to the student of the third or fourth year class who, in the opinion of the staff of the department of Pathology merits recognition for high scholastic attainments and outstanding performance in the subject of pathology. If in any year no student merits the distinction the award will be withheld.

9. *THE BORDEN UNDERGRADUATE RESEARCH AWARD*. The terms of this grant by The Borden Company Foundation, Inc. provide for awards of \$500.00 during any one calendar year for a period of five years. The award will be made under the following terms and conditions:

1. "All persons in the graduating class of the Medical College of Cornell University who, during any year while enrolled in the College, have carried out undergraduate research in the medical field shall be eligible for the Borden Undergraduate Research Award in Medicine. The Award shall be presented at the time of his graduation to that eligible person whose research has been determined by the Medical College to be the most meritorious performed by all similarly eligible persons. Originality and thoroughness of research shall be of primary consideration."
2. "In the event that the Dean shall find it inappropriate to make the Award in any one year, the Award may be deferred to a further year. Only one Award, however, will be made during any one calendar year."

Papers submitted for this prize should be in triplicate, and must be in the Administrative Office not later than two weeks prior to the end of the academic year.

### SCHOLARSHIPS

1. *THE JOHN METCALFE POLK SCHOLARSHIP.* A gift under the will of William Mecklenberg Polk, the first Dean of the medical college, is awarded annually by the faculty. The scholarship amounts to about \$200 a year.

2. *THE THORNE SHAW SCHOLARSHIP FUND.* This fund provides three scholarships designated as:

First: A scholarship of approximately \$400 available to students after at least two years of study in the medical college.

Second: Two scholarships of approximately \$200 each available to students after at least one year of study in the medical college.

These scholarships are awarded by the faculty upon nomination by the Committee on Scholarships and Prizes. They are awarded annually in June and are for one year only. Students receiving the scholarships are notified of the award at the end of the session.

3. *MARY F. HALL SCHOLARSHIP.* The income, amounting to about \$180 annually, from a fund established by bequest of Miss Mary F. Hall, is available to any woman student in Cornell University Medical College who needs its aid and who is a *bona fide* resident of the State of New York and was such prior to admission to the college.

4. *THE 1936 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND.* A five thousand dollar fund established in 1936, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year, providing the qualifications of the candidate merit a re-award. If during any year the income from above fund be not used, as above stated, then said income may be used for such research work, or otherwise, as in the judgment of the faculty (or trustees) may be deemed best.

5. *THE 1939 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND.* A five thousand dollar fund established in 1939, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year, providing the qualifications of the candidate merit a reward. If during any year the income from the above fund be not used, as above stated, then said income may be used for such research work, or otherwise, as in the judgment of the faculty (or trustees) may be deemed best.
6. *THE JEREMIAH S. FERGUSON SCHOLARSHIP.* Established in memory of Jeremiah S. Ferguson, who throughout his long connection with the Medical College, of somewhat more than forty years, devoted much effort to helping students with their individual problems and promoting their professional careers. The fund amounts to \$5,000, the income from which, approximately \$200 a year, shall be awarded annually by the Committee on Scholarships and Prizes to a student or students in the third and fourth year classes in the Medical College who are in need of financial aid and who by conduct and scholarship have proved worthy investments.
7. *THE CHARLES RUPERT STOCKARD SCHOLARSHIP.* A ten thousand dollar fund was established in 1939 by a friend of the late Charles Rupert Stockard, Professor of Anatomy in the Cornell University Medical College from 1911-1939. The interest of this fund is to be awarded either to one student (approximately \$400) or to two students (approximately \$200 each) who have shown promise in the work in the Department of Anatomy and who are desirous of doing advanced work in this department. The scholarships are to be awarded by the Executive Faculty upon nomination by the head of the Department of Anatomy.
8. *THE DR. JOHN A. HEIM SCHOLARSHIPS.* Established under the will of John A. Heim of the class of 1905 and to provide such number of free scholarships in the medical college as there shall be funds available for the purpose. The awards are to be made to regularly matriculated medical students of good scholarship and who are in need of financial assistance. The terms of the bequest provide that "After determining the student's eligibility for one of such scholarships, a competitive examination or examinations applicable to the respective grade of such student shall be given, and the scholarship shall be awarded on the respective order of merit as determined by such examinations. Each scholarship shall be in an amount adequate to pay the necessary cost of tuition, laboratory fees, and prescribed books required during the specific year." First year students are eligible, provided they meet the standards prescribed.

9. *THE DR. CHARLES I. HYDE '10 AND EVA HYDE SCHOLARSHIP FUND.* Established in memory of their daughter, Anita Shirley Hyde. The terms of this endowment provide that the income be available annually to meritorious students who have completed one year of the regular medical course and are in need of assistance. It is further stipulated by the donors that the scholarship be available at once; that they propose to subscribe \$75.00 annually for this purpose until such time as the terms of the bequest become effective; and that if during any year the income from the fund shall not be used for scholarship purposes, the same may be used for research work or otherwise as may be determined by the Board of Trustees after consultation by the President of the University and the Dean of the College.

10. *THE DR. JACQUES SAPHIER SCHOLARSHIP FUND.* Established in memory of Dr. Jacques Conrad Saphier, (Lieutenant j.g. USNR) of the class of 1940, who was killed in action on August 21, 1942, at Guadalcanal while in the performance of his duty. The income from this fund shall be awarded annually to a meritorious student of the Cornell University Medical College who has completed at least one year of work, who needs its aid and who, in the opinion of the Faculty, merits the recognition for which this scholarship was established.

11. *THE ELISE STRANG L'ESPERANCE SCHOLARSHIP.* This award is maintained by the personal contributions of Dr. Elise Strang L'Esperance, whose interests in the educational advancements of the Medical College have continued for many years. The value of this scholarship is \$1,000 and the award is to be given annually to the most outstanding woman medical student in the fourth year class in Cornell University Medical College. The selection of the recipient of this scholarship is to be made by the Dean in consultation with persons suggested under the original donation.

12. *THE SAGAN FOUNDATION SCHOLARSHIP.* An annual scholarship of \$500 to be awarded to a student in Cornell University Medical College, to be selected by the College on the basis of scholarship and need, without reference to race, color, sex, or creed. In the event the Foundation should discontinue the award, at least one year's notice shall be given the Medical College. A special blank issued by The Sagan Foundation should be obtained from the Dean's Office by students making application for this scholarship.

13. *THE EDWARD TOLSTOI SCHOLARSHIP.* This scholarship, the gift of an anonymous donor, provides for an annual award of \$500 to a student of the Medical College to be selected by the Committee on Scholarship and Prizes. The award is to be made on the basis of scholarship and need, without reference to race, color, sex, or creed. Should

this award be discontinued, at least one year's notice will be given to the Medical College.

### BURSARY FOR WOMEN STUDENTS

*THE MARIE AND JOHN ZIMMERMAN FUND:* A sum from this fund will be available this year to certain women students as a memorial to Marie Zimmerman, Sr. The candidates will be chosen in accordance with the purposes of the donor as set forth in the following terms:

"It is the desire of the Fund that Dr. Connie M. Guion and the Associate Dean assign the proceeds of the donations to one or more women medical students who are financially in need of assistance and whose academic standing leads them to believe that the recipients of the awards will make a success in their profession."

The objectives and method of assigning these awards will follow the principles accompanying the donations received during the present year.

### LOAN FUNDS

1. *THE 1923 LOAN FUND.* This fund amounts to \$350 a year and is available as a loan to students needing financial assistance, preferably to a third year student.

2. *ALUMNI ASSOCIATION LOAN FUNDS.* The Alumni Association of the Medical College is able to aid a few students in meeting their expenses by the Jessie P. Andresen Memorial Fund and the Class Student Loan Funds. The loans made from these funds will be administered by the Board of Directors of the Alumni Association. The medical college is consulted in making these awards. Students in the upper classes will be given preference.

3. *STUDENT LOAN FUND.* A revolving fund contributed through different sources including The Kellogg Foundation and The Charles Hayden Foundation is available to students in all classes who are in need of assistance.

### ALPHA OMEGA ALPHA

Alpha Omega Alpha is a non-secret, Medical College Honor Society, membership in which is based upon scholarship, moral qualifications being satisfactory. It was organized at the College of Medicine of the University of Illinois, Chicago, August 25, 1902. A.O.A. is the only order of its kind on this continent.

Elections are made from students who have fully completed 2 years of a four-year curriculum, by unanimous vote of the active members acting on recommendations made by faculty advisers. Not more than

one-sixth of any class may be elected. As aspects of and indispensable to true scholarship come open-mindedness, individuality, originality, demonstration of studious attitude, and promise of intellectual growth.

The Cornell Chapter of A.O.A. was organized May 2, 1910. A large number of the faculty are members. The Chapter sponsors an annual open lecture delivered in the Medical College Auditorium on a cultural or historical phase of medicine.

### SIGMA XI

Sigma Xi, a national honorary society devoted to the encouragement of scientific research, was founded at Cornell University at Ithaca in 1886. An active branch of the Cornell Chapter is maintained at the Medical College. Many members of the faculty and research staff are members of Sigma Xi and share in the activities of the Cornell Chapter. Medical students are eligible for election to membership in Sigma Xi on the basis of proven ability to carry on original medical research and on nomination by active members of the Cornell Chapter. As part of its program for the encouragement of medical research, the Cornell Chapter sponsors an annual lecture to the staff and student body by an outstanding investigator in the field of medical science.



# *Cornell University Medical College Alumni Association, Inc.*

## *Officers*

Horace S. Baldwin, '21	<i>President</i>
William H. Cassebaum, '31	<i>Vice President</i>
Alphonse E. Timpanelli, '36	<i>Secretary</i>
Paul Reznikoff, '20	<i>Treasurer</i>

## *Directors*

### *3-Year Term*

William D. Stubenbord, '31  
Preston A. Wade, '25

### *2-Year Term*

Frances S. Lansdown, '40  
Edward F. Stanton, '35

### *1-Year Term*

James H. Kidder, '28  
Boris Petroff, '35

## *Alumni Quarterly*

David N. Barrows, '12	<i>Editor</i>
Willis M. Weeden, '19	<i>Associate Editor</i>
Edward F. Stanton, '35	<i>Associate Editor</i>
Miss Mary E. Gleason	<i>Executive Secretary</i>

Each graduate of Cornell University Medical College is automatically considered a member of the Alumni Association and the dues are \$5 a year. The activities of the Association include a quarterly publication, an annual banquet, student and faculty parties, student loan funds, and an employment bureau. The Association maintains an office at 1300 York Avenue.

A scholarship is available each year to a student recommended by the College, and an annual appeal for funds for the use of the Medical College is made to members of the Association.

# *Educational Policies and Plan of Instruction*

The medical college is divided into thirteen major departments, six of which are primarily concerned with the sciences underlying clinical medicine. They are anatomy, biochemistry, physiology, bacteriology and immunology, pathology, and pharmacology. Seven departments have as their major functions the study, treatment, and prevention of human diseases, and maternity care. These are medicine, surgery, pediatrics, psychiatry, obstetrics and gynecology, public health, and preventive medicine.

The heads of these major departments, together with the President of the University and the Dean, constitute the Executive Faculty, which is responsible for the educational policies of the College.

Courses required to be completed by each student before the degree of Doctor of Medicine is conferred by Cornell University are offered by each department. These courses are arranged, in their sequence and duration, to develop logically the knowledge and training of students and to build up gradually the requirements needed for graduation as Doctor of Medicine. The various departments also offer courses and opportunities for special study open to regular medical students, to candidates for advanced degrees in the Graduate School of Cornell University, and to qualified advanced students of medicine not candidates for degrees.

Medical knowledge is so extensive that only a small part of that needed for a successful career in medicine can be acquired during the time devoted to medical study by the medical college curriculum. The time devoted by the prospective physician to his preparation for the practice of Medicine includes at least one, and often many more years of graduate medical education as intern or resident of a hospital, either in clinical or laboratory work, or both. The required period of study at Cornell University Medical College extends over four academic years of at least thirty-three weeks each. It is planned that studies may be pursued during vacation periods. This will provide an opportunity to shorten the time necessary to complete all required courses and allow more time for elective work. Study in other medical schools may also be arranged during the course if opportunities can be found.

As medical science and medical practice may be pursued in a variety of ways, it is the policy of the college to encourage the student to vary his course of study according to his special interests and particular talents as far as is consistent with meeting the requirements for the degree of Doctor of Medicine.

A thesis is not required for the degree of Doctor of Medicine, but students are encouraged to engage in individual work as far as their time permits, with the hope that they may accomplish results worthy of publication. It is therefore desirable for some students to devote all their free time to a single subject in which they have a special interest.

The development of technical and scientific proficiency in the various special fields of clinical medicine is not encouraged during the regular medical course, but must await adequate training after graduation.

The first year of study is devoted to anatomy, biochemistry, physiology, parasitology, and psychobiology.

In the second year, the subject of physiology is completed and the student takes up work in bacteriology, pathology, pharmacology, physical diagnosis, psychiatry, neurology, clinical pathology, public health, ophthalmology, radiology, and surgery.

During the third and fourth years, students are divided into small groups for practical work in the various clinics and for elective work. The third year class meets at noon each day for clinical lectures and demonstrations.

Time for elective work is provided in the fourth year, after students have had opportunities to acquire some knowledge of the medical sciences and of clinical medicine. Students are advised to consult informally members of the faculty in regard to the use of their time for elective work. It is deemed best not to establish a formal advisory system.

*The faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without previous notice to students.*

# *Description of Courses*

## ANATOMY

JOSEPH C. HINSEY, Professor of Anatomy.  
GEORGE N. PAPANICOLAOU, Professor of Clinical Anatomy.  
JOHN MacLEOD, Associate Professor of Anatomy.  
CHARLES V. MORRILL, Associate Professor of Anatomy.  
GUSTAVE J. NOBACK, Associate Professor of Anatomy.  
CHARLES BERRY, Assistant Professor of Anatomy.  
WILLIAM A. GEOHEGAN, Assistant Professor of Anatomy.  
LAWRENCE W. HANLON, Assistant Professor of Anatomy.  
ERNEST W. LAMPE, Assistant Professor of Clinical Anatomy.  
WILBUR D. HAGAMEN, Jr., Fellow in Anatomy.  
EDWARD SALEM, Fellow in Anatomy.  
JOHN F. SEYBOLT, Fellow in Anatomy.

**EMBRYOLOGY AND HISTOLOGY . . .** The work in embryology presupposes a general knowledge of the subject, particularly that of the early development of the chick. It embraces a thorough study of the development of the mammalian embryo in the light of our knowledge of the evolution of the human body. Malformations resulting from developmental disturbances are broadly considered. The course is closely correlated with that of gross anatomy.

The work in histology includes the histogenesis and microscopic structures of all organs of the human body with the exception of the central nervous system (See Neuro-anatomy). Emphasis is laid on relation of structure to function.

The tissues are studied principally by means of stained sections and practice is given in rapid identification of their diagnostic features. Demonstrations of living material are made and opportunities are offered for acquiring the essentials of histological technique.

Laboratory and lectures, 180 hours, first and second terms. Required of all first year students.

**NEURO-ANATOMY . . .** A laboratory course on the gross and microscopic anatomy of the human nervous system. Special emphasis is laid on the more important pathways and their functions.

Laboratory and demonstrations, 84 hours. Required of all first year students during the second term.

**GROSS ANATOMY OF THE HUMAN BODY . . .** This is taught by means of laboratory exercises and dissections. The required work includes: (a) Dissection of the part. (b) Demonstrations, study, and discussion upon dissected and prepared specimens.

Total laboratory hours, 374. First and second terms of the first year. Required of all first year students.

*ELECTIVE COURSES* . . . Subject to the approval of the Department of Anatomy, its equipment is available to medical students wishing to pursue advanced work or research in anatomical subjects. Members of the staff will direct the progress of such undertakings. Schedules to fit individual cases will be arranged for a limited number of third and fourth year students who may devote the major part or all of their elective time in this department. Such elective time may be devoted to one of the following: (1) A review of dissection; (2) dissection of a foetus; (3) microscopic anatomy; (4) embryology; (5) special research problems.

### COURSES OPEN TO SPECIAL STUDENTS

*GROSS ANATOMY*. A limited number of graduates in medicine will be provided with material for dissection of the human body. Fee, \$30 for a term of ten weeks; or for entire dissection, \$50.

*COURSE IN SURGICAL ANATOMY*. This course consists of an extensive review of Surgical Anatomy with demonstrations and dissections. It is specially designed for candidates for the American Board of Surgery and is in charge of Dr. Ernest W. Lampe. The fee for the course which includes matriculation, registration charges, and tuition is \$200, and the course will be for a period of four weeks. The size of the class is limited to 25 persons. Inquiries may be directed to Office of the Dean, Cornell University Medical College, 1300 York Avenue, New York 21, New York.

*COURSE IN CYTOLOGIC DIAGNOSIS OF CANCER*. This course consists of training in the technique and interpretation of smears prepared from various body fluids, with discussions and laboratory work. It is designed for qualified physicians and laboratory workers, and is in charge of Dr. George N. Papanicolaou. The fee for the course including tuition, matriculation, and administration charges is \$100. The size of the class is limited to 50 persons. Inquiries may be directed to Office of the Dean, Cornell University Medical College, 1300 York Avenue, New York 21, New York.

*ANATOMICAL RESEARCH*. Subject to special arrangement with the head of the department.

## BACTERIOLOGY AND IMMUNOLOGY

JAMES M. NEILL, Professor of Bacteriology and Immunology.

EDWARD J. HEHRE, Associate Professor of Bacteriology and Immunology.

JOHN Y. SUGG, Associate Professor in Bacteriology and Immunology.

—————, Instructor in Bacteriology and Immunology.

DORIS M. HAMILTON, Assistant in Bacteriology and Immunology.

The course given to second year students consists of lectures, laboratory work, and group conferences. Emphasis is placed upon the aspects of microbiology and of immunology that are pertinent to an understanding of the etiology and pathogenesis of infectious diseases. The study of material from patients is included in the laboratory part of the course, not only to acquaint the student with the technical procedures but to illustrate the directness of application of the fundamental principles of the subject to the practical methods used in the examination of clinical material.

ELECTIVE COURSES... The department will arrange a schedule of work for fourth year students who wish to devote their elective time to bacteriology and immunology.

## BIOCHEMISTRY

VINCENT du VIGNEAUD, Professor of Biochemistry.  
COSMO G. MACKENZIE, Associate Professor of Biochemistry.  
DONALD B. MELVILLE, Associate Professor of Biochemistry.  
JULIAN R. RACHELE, Associate Professor of Biochemistry.  
ROY W. BONSNES, Assistant Professor of Biochemistry.  
GEORGE B. BROWN, Assistant Professor of Biochemistry.  
JOHN G. PIERCE, Assistant Professor of Biochemistry.  
DOROTHY S. GENGHOF, Research Associate in Biochemistry.  
HELENA GILDER, Research Associate in Biochemistry.  
CHARLOTTE RESSLER, Research Associate in Biochemistry.  
ROBERT A. TURNER, Research Associate in Biochemistry.  
JOHN E. WILSON, Research Associate in Biochemistry.  
MARY ELIZABETH WRIGHT, Research Associate in Biochemistry.  
EDWARD J. KUCHINSKAS, Assistant in Biochemistry.

The instruction in biochemistry is concentrated in the first year and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and physics. The object is to impart that fundamental knowledge of biochemistry which is necessary to the comprehension of the bearings of chemistry upon medicine.

The schedule during the first and second terms is devoted to an intensive course in general biochemistry by means of lectures, demonstrations, and conferences. During the third term the instruction is centered largely in the laboratory and the conference room where the knowledge gained in the first two terms is consolidated and amplified. Considerable emphasis is laid upon quantitative rather than qualitative laboratory procedures. Throughout these lectures the application of biochemistry to the study of disease and metabolic disturbances is stressed. Collateral reading in biochemical literature is encouraged.

*First and Second term . . .* Lecture and conference course dealing with the chemistry and intermediary metabolism of proteins, fats, carbohydrates, and purines; enzymes, digestion, intestinal putrefaction, and feces; the composition of the tissues, blood, milk, and urine; hormones and vitamins; the elements of physical chemistry as applied to biology and medicine, with emphasis on the fundamental properties of electrolytes and colloids.

33 hours first term.

33 hours second term.

*Third term . . .* Laboratory course with lectures and conferences, extending the work of the first two terms.

154 hours third term.



## ELECTIVE COURSES

*ADVANCED LABORATORY WORK OR RESEARCH.* By special arrangement.

## COURSES OPEN TO SPECIAL STUDENTS

*BIOCHEMISTRY.* Fee \$25 a term.

*BIOCHEMICAL LITERATURE.* Seminar course on the current literature in biochemistry, mainly for graduate students, but open to a limited number of specially qualified medical students. Hours to be arranged. Professors du VIGNEAUD, MELVILLE, and RACHELE.

*BIOCHEMICAL PREPARATIONS.* A laboratory course dealing with the isolation, synthesis, and analysis of selected compounds of biological importance. Hours, credits, and fees to be arranged. The STAFF.

*RESEARCH IN BIOCHEMISTRY.* By arrangement with the head of the department.

## MEDICINE

DAVID P. BARR, Professor of Medicine.  
RUSSELL L. CECIL, Professor of Clinical Medicine.  
CONNIE M. GUION, Professor of Clinical Medicine.  
LOUIS HAUSMAN, Professor of Clinical Medicine (Neurology).  
FOSTER KENNEDY, Professor of Clinical Medicine (Neurology).  
WILLIAM S. LADD, Professor of Clinical Medicine.  
GEORGE M. LEWIS, Professor of Clinical Medicine (Dermatology).  
ASA L. LINCOLN, Professor of Clinical Medicine.  
PAUL REZNIKOFF, Professor of Clinical Medicine.  
LEWIS D. STEVENSON, Professor of Clinical Medicine (Neurology).  
HAROLD G. WOLFF, Professor of Medicine (Neurology).  
IRVING S. WRIGHT, Professor of Clinical Medicine.  
THOMAS P. ALMY, Associate Professor of Neoplastic Diseases (Medicine).  
HORACE S. BALDWIN, Associate Professor of Clinical Medicine.  
LLOYD F. CRAVER, Associate Professor of Clinical Medicine.  
\*JOHN E. DIETRICK, Associate Professor of Medicine.  
HENRY S. DUNNING, Associate Professor of Clinical Medicine (Neurology).  
CARY EGGLESTON, Associate Professor of Clinical Medicine.  
CLAUDE E. FORKNER, Associate Professor of Clinical Medicine.  
RICHARD H. FREYBERG, Associate Professor of Clinical Medicine.  
EDWIN T. HAUSER, Associate Professor of Clinical Medicine.  
MARY E. H. LOVELESS, Associate Professor of Clinical Medicine (Allergy).  
WALSH McDERMOTT, Associate Professor of Medicine.  
ADE T. MILHORAT, Associate Professor of Medicine in Psychiatry.  
CARL MUSCHENHEIM, Associate Professor of Clinical Medicine.  
HAROLD E. B. PARDEE, Associate Professor of Clinical Medicine.  
RULON W. RAWSON, Associate Professor of Medicine.  
HENRY B. RICHARDSON, Associate Professor of Clinical Medicine.  
GEORGE A. SCHUMACHER, Associate Professor of Clinical Medicine (Neurology).  
EPHRAIM SHORR, Associate Professor of Medicine.  
DONALD J. SIMONS, Associate Professor of Clinical Medicine.  
HAROLD J. STEWART, Associate Professor of Medicine.  
EDWARD TOLSTOI, Associate Professor of Clinical Medicine.  
ROBERT F. WATSON, Associate Professor of Medicine.  
BRUCE P. WEBSTER, Associate Professor of Clinical Medicine.  
STEWART G. WOLF, Jr., Associate Professor of Medicine.  
ANDREW J. AKELAITIS, Asst. Professor of Clinical Medicine (Neurology).  
JACOB BUCKSTEIN, Asst. Professor of Clinical Medicine.  
JOSEPH H. BURCHENAL, Asst. Professor of Clinical Medicine.  
ANTHONY C. CIPOLLARO, Asst. Professor of Clinical Medicine (Dermatology).  
FRANK E. CORMIA, Asst. Professor of Clinical Medicine (Dermatology).  
PETER G. DENKER, Asst. Professor of Clinical Medicine (Neurology).  
CONSTANCE FRIESS, Asst. Professor of Clinical Medicine.  
MILTON HELPERN, Asst. Professor of Clinical Medicine.  
DAVID A. KARNOFSKY, Asst. Professor of Clinical Medicine.  
GEORGE L. KAUER, Jr., Asst. Professor of Clinical Medicine.  
MILTON L. KRAMER, Asst. Professor of Clinical Medicine.  
JOHN S. LaDUE, Asst. Professor of Clinical Medicine.  
LEON I. LEVINE, Asst. Professor of Clinical Medicine.

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\*On leave of absence.

SOL S. LICHTMAN, Asst. Professor of Clinical Medicine.  
ABRAHAM MAZUR, Asst. Professor of Biochemistry in Medicine.  
THEODORE W. OPPEL, Asst. Professor of Clinical Medicine.  
DOUGLASS PALMER, Asst. Professor of Clinical Medicine.  
OLOF H. PEARSON, Asst. Professor of Clinical Medicine.  
FRANK H. PETERS, Asst. Professor of Clinical Medicine.  
NORMAN PLUMMER, Asst. Professor of Clinical Medicine.  
WILBERT SACHS, Asst. Professor of Clinical Medicine (Dermatology).  
J. JAMES SMITH, Asst. Professor of Clinical Medicine.  
ISRAEL STEINBERG, Asst. Professor of Clinical Medicine.  
RALPH G. STILLMAN, Asst. Professor of Medicine (Clin. Pathology).  
HENRY J. TAGNON, Asst. Professor of Clinical Medicine.  
ALPHONSE TIMPANELLI, Asst. Professor of Clinical Medicine.  
RALPH R. TOMPSETT, Asst. Professor of Medicine.  
CHARLES H. WHEELER, Asst. Professor of Clinical Medicine.  
GEORGE W. WHEELER, Asst. Professor of Medicine (Clin. Pathology).  
BYARD WILLIAMS, Asst. Professor of Clinical Medicine.  
GEORGE A. WOLF, Jr., Asst. Professor of Clinical Medicine.  
BENJAMIN W. ZWEIFACH, Asst. Professor of Physiology in Med.  
SILVIO BAEZ, Research Associate in Medicine.  
BEATRICE BERLE, Research Associate in Medicine.  
FRANK E. HORAN, Research Associate in Medicine.  
JANE KRAUS, Research Associate in Medicine.  
WILLIAM L. MONEY, Research Associate in Medicine.  
RALPH S. OVERMAN, Research Associate in Medicine.  
ELIZABETH ADAMS, Instructor in Medicine.  
ABRAHAM A. ANTOVILLE, Instructor in Medicine.  
GEORGE C. ARMISTEAD, Jr., Instructor in Medicine.  
RUTH P. BERKELEY, Instructor in Medicine.  
ROBERT M. BIRD, Instructor in Medicine.  
KEEVE BRODMAN, Instructor in Medicine.  
VERONICA BROWN, Instructor in Medicine.  
EDWARD A. BURKHARDT, Instructor in Medicine.  
KATHERINE BUTLER, Instructor in Medicine.  
HENRY A. CARR, Instructor in Medicine.  
ANNE C. CARTER, Instructor in Medicine.  
ALICE CHILDS, Instructor in Medicine.  
EUGENE J. COHEN, Instructor in Medicine.  
HENRY A. CROMWELL, Instructor in Medicine.  
JEFF DAVIS, Instructor in Medicine.  
EMERSON DAY, Instructor in Medicine.  
HENRY D. DIAMOND, Instructor in Medicine.  
MONROE T. DIAMOND, Instructor in Medicine.  
CHARLES T. DOTTER, Instructor in Medicine.  
BENEDICT J. DUFFY, Instructor in Medicine.  
LEONARD P. ELIEL, Instructor in Medicine.  
ALBERT J. ERDMAN, JR., Instructor in Medicine.  
EMIL A. FALK, Instructor in Medicine.  
LAWRENCE FARMER, Instructor in Medicine.  
AARON FEDER, Instructor in Medicine.  
WILLIAM T. FOLEY, Instructor in Medicine.  
JOHN M. GIBBONS, Instructor in Medicine.  
SIDNEY GREENBERG, Instructor in Medicine.  
KEITH O. GUTHRIE, Jr., Instructor in Medicine.

LOUIS A. HAUSER, Instructor in Medicine.  
 GEORGE W. HEBARD, Instructor in Medicine.  
 REID R. HEFFNER, Instructor in Medicine.  
 LEONARD L. HEIMOFF, Instructor in Medicine.  
 HERMAN G. HELPERN, Instructor in Medicine.  
 EVELYN HOLT, Instructor in Medicine.  
 LESLIE A. HOMRICH, Instructor in Medicine.  
 LEIF Y. JACOBSEN, Instructor in Medicine.  
 SCOTT JOHNSON, Instructor in Medicine.  
 WILLIAM H. KAMMERER, Instructor in Medicine.  
 LAWRENCE I. KAPLAN, Instructor in Medicine.  
 HENRY B. KIRKLAND, Instructor in Medicine.  
 HERBERT KOTEEN, Instructor in Medicine.  
 MICHAEL LAKE, Instructor in Medicine.  
 ROGER F. LAPHAM, Instructor in Medicine.  
 DOROTHEA LEMCKE, Instructor in Medicine.  
 ROBERT M. LINTZ, Instructor in Medicine.  
 \*ROBERT O. LOEBEL, Instructor in Medicine.  
 E. HUGH LUCKEY, Instructor in Medicine.  
 A. PARKS McCOMBS, Instructor in Medicine.  
 RICHARD R. McCORMACK, Instructor in Medicine.  
 JOHN F. MARCHAND, Instructor in Medicine.  
 KIRBY MARTIN, Instructor in Medicine.  
 ROBERT H. MELCHIONNA, Instructor in Medicine.  
 RAYMOND E. MILLER, Instructor in Medicine.  
 L. MARY MOENCH, Instructor in Medicine.  
 WILLIS A. MURPHY, Instructor in Medicine.  
 MARY ANN PAYNE, Instructor in Medicine.  
 GEORGE G. READER, Instructor in Medicine.  
 CHARLES H. RESSLER, Instructor in Medicine.  
 CHARLES E. RICHARDS, Instructor in Medicine.  
 JULIUS L. ROGOFF, Instructor in Medicine.  
 BRUNO J. ROMEO, Instructor in Medicine.  
 JOSEPH F. SABBATINO, Instructor in Medicine.  
 THERESA SCANLAN, Instructor in Medicine.  
 EDWARD M. SHEPARD, Instructor in Medicine.  
 C. WALLACE SORENSON, Instructor in Medicine.  
 AARON D. SPIELMAN, Instructor in Medicine.  
 JOHN W. STICKNEY, Instructor in Medicine.  
 WILLIAM D. STUBENBORD, Instructor in Medicine.  
 ARTHUR M. SUTHERLAND, Instructor in Medicine.  
 KATHARINE W. SWIFT, Instructor in Medicine.  
 TIMOTHY R. TALBOT, JR., Instructor in Medicine.  
 DAVID B. THOMPSON, Instructor in Medicine.  
 JACK B. TRUNNELL, Instructor in Medicine.  
 CLAUDE O. TRUSS, Instructor in Medicine.  
 MAURICE TULIN, Instructor in Medicine.  
 J. RUSSELL TWISS, Instructor in Medicine.  
 MARIAN TYNDALL, Instructor in Medicine.  
 FREDERICK C. WEBER, JR., Instructor in Medicine.  
 ERWIN A. WERNER, Instructor in Medicine.  
 G. DONALD WHEDON, Instructor in Medicine.

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\*On leave of absence.

SEYMOUR ZUCKER, Instructor in Medicine.  
FRANK K. ABBOT, Research Fellow in Medicine.  
CHESTER H. ADAMS, Research Fellow in Medicine.  
JOHN A. BEYER, Research Fellow in Medicine.  
GRAFTON E. BURKE, Research Fellow in Medicine.  
JACQUES DURIVAGE, Research Fellow in Medicine.  
JOHN FLYNN, Research Fellow in Medicine.  
HELEN GOODELL, Research Fellow in Medicine.  
WILLIAM J. GRACE, Research Fellow in Medicine.  
DAVID T. GRAHAM, Research Fellow in Medicine.  
LAWRENCE E. HINKLE, JR., Research Fellow in Medicine.  
MARY ELLEN HOPPER, Research Fellow in Medicine.  
FRED KERN, JR., Research Fellow in Medicine.  
JACK VERNON KNIGHT, Research Fellow in Medicine.  
CHARLES A. LeMAISTRE, Research Fellow in Medicine.  
DANIEL S. LUKAS, Research Fellow in Medicine.  
PAUL A. MARKS, Research Fellow in Medicine.  
MARJORIE B. PATTERSON, Research Fellow in Medicine.  
CLAYTON E. RICH, Research Fellow in Medicine.  
WILLIAM C. ROBBINS, Research Fellow in Medicine.  
ROBERT A. SCHNEIDER, Research Fellow in Medicine.  
SELMA M. SHULTZ, Research Fellow in Medicine.  
HERTHA H. TAUSKY, Research Fellow in Medicine.  
E. CLINTON TEXTER, JR., Research Fellow in Medicine.  
URBAN L. THROM, Research Fellow in Medicine.  
CLARA TORDA, Research Fellow in Medicine.  
VINCENT A. TOSCANI, Research Fellow in Medicine.  
CHARLES A. WERNER, Research Fellow in Medicine.  
SAM C. ATKINSON, Assistant in Medicine.  
JOHN S. AVERY, Assistant in Medicine.  
HUGH N. BENNETT, Assistant in Medicine.  
MORTON D. BOGDONOFF, Assistant in Medicine.  
JAMES M. COLVILLE, Assistant in Medicine.  
FRANK G. EBAUGH, JR., Assistant in Medicine.  
ROBERT E. ECKARDT, Assistant in Medicine.  
RALPH L. ENGLE, JR., Assistant in Medicine.  
BRUCE M. ESPLIN, Assistant in Medicine.  
ROBERT B. FATH, Assistant in Medicine.  
JOHN B. FIELD, Assistant in Medicine.  
PAUL FREMONT-SMITH, Assistant in Medicine.  
LYMAN A. FULTON, Assistant in Medicine.  
FREDERIC T. KIRKHAM, JR., Assistant in Medicine.  
HERBERT I. McCOY, Assistant in Medicine.  
RICHARD B. MAXWELL, Assistant in Medicine.  
GEORGE E. PEABODY, Assistant in Medicine.  
VOL K. PHILIPS, Assistant in Medicine.  
FRED PLUM, Assistant in Medicine.  
R. A. REES PRITCHETT, Assistant in Medicine.  
THOMAS N. ROBERTS, Assistant in Medicine.  
WILLIAM P. SIMMONDS, Assistant in Medicine.  
ROY C. SWAN, JR., Assistant in Medicine.

IGNAZ W. OLJENICK, Lecturer in Medicine (Neurology)  
ROBERT L. YEAGER, Lecturer in Medicine (Tuberculosis)

Students begin their course in medicine in the second term of the second year with physical diagnosis under Dr. Stewart. They are introduced to this subject in the second term (two afternoons a week) by means of lectures, demonstrations, and practical work on normal subjects and patients. In the third term they spend two mornings a week with the patients either in the pavilions or in the out-patient department of New York Hospital, or on the wards of Bellevue or Memorial Hospital.

An introductory course in neurologic diagnostic methods is given under the direction of Dr. Wolff in the third term of the second year. The work consists of demonstrations and intensive training in the discipline of neurological examination. The students in groups of three are assigned to an instructor on the neurology service at Bellevue Hospital. This work coincides in time with the other training in physical diagnosis.

An introductory required course in Clinical Pathology is given in the third term of the second year, consisting of lectures and laboratory work. Among the topics discussed are the theory, practice, and application of methods for the examination of urine, blood, sputum, exudates, transudates, spinal fluid, gastric contents, and feces. The methods studied include chemical, morphological, serological, and animal inoculation methods which are of value as diagnostic procedures. Discussion of the clinical significance of findings is included. In addition, certain allergic phenomena are presented in lecture and demonstration and their clinical relationship discussed.

In each of the terms of the third year, one third of the class act as clinical clerks in medicine in the pavilions of New York Hospital. The medical wards of the New York Hospital under the supervision of Dr. Barr comprise five public pavilions totalling 142 beds. The service includes patients with diseases of the nervous system and of the skin. These are under the care of subdepartments which are organized for teaching and clinical research as well as the management of patients. They are, therefore, analogous to independent departments of dermatology and neurology as seen in other hospitals. An active pulmonary service is functioning in close cooperation with the surgical service and the pediatric service. Beds on the fourth floor are used for the study and treatment of infectious diseases, including tuberculosis, the exanthemata, and syphilis. The syphilis service (Medicine L) is organized for the study of all phases of the disease as well as for its epidemiological control. There is close cooperation with the department of psychiatry in the study of the neuroses and early manifestations of psychoses found in the wards and dispensary.

The third year clinical clerkship at the New York Hospital is under the direction of Drs. Barr, Wolff, and Watson. The backbone of the student's training as a clinical clerk is believed to be his own experi-

ence with patients as amplified by reading and by contact with members of the hospital and teaching staff. He is given as much responsibility as is practical, namely, the recording, in the hospital records, of his own histories and laboratory examinations. These, together with his physical examinations, are supervised by tutors, each of whom has responsibility for the supervision of a small group of students. Additional teaching consists of rounds with the visiting and house staff and more formal conferences once a week in which the clerks present cases for criticism and discussion. In these it is attempted to cover the more important fields of internal medicine. The work of the clerkships is supplemented by the amphitheatre clinics and pathological conferences which are held throughout the academic year. During the third year clinical clerkship the students receive further training in the evaluation of signs and symptoms of disease of the nervous system. Twice a week the clinical clerks discuss the personality and psychiatric problems of their patients with a member of the Department of Psychiatry. Two teaching visits a week at the New York Hospital are dedicated to neurological problems. This work supplements that of the second year by placing special emphasis upon etiology and therapeutics in disease of the nervous system.

The senior students are divided into five groups, each of which devotes one term of the college year to general medicine and the medical specialties. They spend two months in the out-patient department of the New York Hospital, where they are assigned in small groups to sections in general medicine and clinics devoted to dermatology and some of the other medical specialties. Other special departments of the clinic such as physiotherapy and dietotherapy provide demonstrations to the fourth year clerks. The practical work with the patients is supplemented by seminars, clinics, lectures, demonstrations, and weekly presentations of subjects by the students themselves.

During the fourth year clinical clerkship in medicine, students for a period of 18 hours are brought by Dr. Wolff and his staff in contact with ambulatory patients suffering from diseases of the nervous system. Further opportunity to gain proficiency in the diagnosis of diseases of the nervous system is afforded. Special emphasis is placed upon the home management of patients with neurologic defects.

Clinical-pathological conferences organized by the Department of Pathology in conjunction with the clinical departments occur weekly throughout the year.

#### ELECTIVE COURSES

*CLINICAL CLERKSHIP AT BELLEVUE HOSPITAL . . .* Dr. J. James Smith and staff. For periods of one month. Maximum registration, eight students. Work will include case assignments, ward rounds, frequent conferences with Dr. Smith and members of his staff.



*ENDOCRINOLOGY AND METABOLISM*...Dr. Ephraim Shorr and staff. For periods of two months. Maximum registration, two students. The work will consist of assignments to diabetic clinic, endocrine clinic, metabolism ward, and participation in applicable laboratory methods.

*INFECTIOUS DISEASES AND CHEMOTHERAPY* . . . Dr. Walsh McDermott and Dr. Ralph Tompsett. For periods of one or two months. Maximum registration two students. Work will include assignments to infectious disease ward for the study of tuberculosis, participation in clinical and research projects under way in this sub-department.

*NEUROLOGY* . . . Dr. Harold G. Wolff and staff. For periods of one month or two months. Maximum registration three students. For the shorter period, the work will include participation in clinical activities, on the neurological out-patient department and ward. For the longer period, it will include also participation in investigative problems.

*CARDIOLOGY* . . . Dr. Harold J. Stewart and staff. For period of two months. Maximum registration one student. The work will consist of participation in the cardiac clinic and wards, and the reading of electrocardiograms, and assignment to research problems.

*HEMATOLOGY* . . . Dr. Paul Reznikoff and staff. For periods of one month or two months. Maximum registration two students. The work will include participation in clinical activities in the out-patient department, ward, and hematology laboratory, together with possible assignment to investigative problems.

*NEURO-ANATOMY* . . . This course, given by Dr. Louis Hausman, will cover the development and anatomy of the nervous system and laboratory work on the reconstruction of the nervous system. Each student makes his own model. The anatomical background of the diseases of the nervous system is considered. Hours to be arranged with the instructor.

#### *FORENSIC MEDICINE* . . .

(a) *A series of 12 lectures* given by Dr. Milton Helpert. The subject matter is illustrated with material derived from cases investigated by the Office of the Chief Medical Examiner of the Borough of Manhattan.

This course covers the following topics: the obligations and rights of physicians; relations of the physician to governmental agencies; functions of the office of medical examiner and of coroner; investigation and determination of the cause of sudden, suspicious, and violent

deaths; the medicolegal necropsy; identification, signs of death, changes in the body after death; sudden natural death; relationship of disease and trauma; suicidal, accidental, and homicidal violent deaths; blunt force injuries, stab and bullet wounds, traumatic asphyxia, rape, abortion, infanticide; toxicology, especially the indications of poisoning and the selection of organs for chemical analysis; examination of blood stains, seminal stains, and hair, forensic applications of blood grouping; occupational injuries and diseases.

Tuesday afternoon — 5-6 p.m.

(b) *Practical course.* An opportunity will be afforded to learn the circumstances surrounding and to observe at first hand the autopsy findings in numerous and varied cases of sudden, unexpected, suspicious, and violent deaths which are continuously being brought to the attention of the Office of the Chief Medical Examiner of the Borough of Manhattan for investigation.

Course to be given at the City Mortuary, 400 East 29th Street.

Applicants should arrange their time with Dr. Helpern.

Other special electives may be arranged through conference with the head of the department.

## OBSTETRICS AND GYNECOLOGY

- R. GORDON DOUGLAS, Professor of Obstetrics and Gynecology.  
EDWARD H. DENNEN, Associate Professor of Clinical Obstetrics and Gynecology.  
BYRON H. GOFF, Associate Professor of Clinical Obstetrics and Gynecology.  
CARL T. JAVERT, Associate Professor of Obstetrics and Gynecology.  
HOWARD S. McCANDLISH, Associate Professor of Clinical Obstetrics and Gynecology.  
CHARLES M. McLANE, Associate Professor of Clinical Obstetrics and Gynecology.  
HERVEY C. WILLIAMSON, Associate Professor of Clinical Obstetrics and Gynecology.  
ROY W. BONSNES, Assistant Professor of Biochemistry in Obstetrics and Gynecology.  
WILLIAM H. CARY, Assistant Professor of Clinical Obstetrics and Gynecology.  
OGDEN F. CONKEY, Assistant Professor of Clinical Obstetrics and Gynecology.  
WILLIAM F. FINN, Assistant Professor of Obstetrics and Gynecology.  
RALPH W. GAUSE, Assistant Professor of Clinical Obstetrics and Gynecology.  
ARTHUR V. GREELEY, Assistant Professor of Clinical Obstetrics and Gynecology.  
W. HALL HAWKINS, Assistant Professor of Clinical Obstetrics and Gynecology.  
DONALD G. JOHNSON, Assistant Professor of Obstetrics and Gynecology.  
JOHN F. McGRATH, Assistant Professor of Clinical Obstetrics and Gynecology.  
CURTIS L. MENDELSON, Assistant Professor of Clinical Obstetrics and Gynecology.  
JOSEPH N. NATHANSON, Assistant Professor of Clinical Obstetrics and Gynecology.  
JOHN B. PASTORE, Assistant Professor of Clinical Obstetrics and Gynecology.  
NELSON B. SACKETT, Assistant Professor of Clinical Obstetrics and Gynecology.  
JACOB T. SHERMAN, Assistant Professor of Clinical Obstetrics and Gynecology.  
FRANK R. SMITH, Assistant Professor of Clinical Obstetrics and Gynecology.  
THOMAS L. BALL, Instructor in Obstetrics and Gynecology.  
JOHN T. COLE, Instructor in Obstetrics and Gynecology.  
ROBERT L. CRAIG, Instructor in Obstetrics and Gynecology.  
J. RANDOLPH GEPFERT, Instructor in Obstetrics and Gynecology.  
WILLIAM P. GIVEN, Instructor in Obstetrics and Gynecology.  
OSCAR GLASSMAN, Instructor in Obstetrics and Gynecology.  
ELMER E. KRAMER, Instructor in Obstetrics and Gynecology.  
CHARLES T. SNYDER, Instructor in Obstetrics and Gynecology.  
EBEN D. TISDALE, Instructor in Obstetrics and Gynecology.  
JEROME WEINBAUM, Instructor in Obstetrics and Gynecology.  
ROBERT LANDESMAN, Fellow in Obstetrics and Gynecology.  
STUART S. SNYDER, Fellow in Ophthalmology in Obstetrics and Gynecology.  
WILLIAM C. ANDREWS, Assistant in Obstetrics and Gynecology.  
R. VERNON COLPITTS, Assistant in Obstetrics and Gynecology.  
CHRISTIAN J. DeWINTER, Assistant in Obstetrics and Gynecology.  
ROBERT C. EMMEL, Assistant in Obstetrics and Gynecology.  
FREDERICK F. FINN, Assistant in Obstetrics and Gynecology.  
HUGH HALSEY, Assistant in Obstetrics and Gynecology.  
THOMAS H. HOOVER, Assistant in Obstetrics and Gynecology.  
KERMIT E. KRANTZ, Assistant in Obstetrics and Gynecology.  
WILLIAM A. LANGE, Assistant in Obstetrics and Gynecology.  
RICHARD C. MORRISON, Assistant in Obstetrics and Gynecology.  
ERWIN FLETCHER SMITH, Assistant in Obstetrics and Gynecology.

EDWARD A. TEN EYCK, Assistant in Obstetrics and Gynecology.  
J. GEORGE TIFFT, Assistant in Obstetrics and Gynecology.  
ARTHUR A. WILSON, Assistant in Obstetrics and Gynecology.

The Lying-In Hospital, a division of the New York Hospital, provides 130 pavilion beds for teaching purposes in obstetrics and gynecology. In addition, the private service consists of a total of 74 beds. Students are given practical instruction in the out-patient department clinics of both obstetrics and gynecology and in the various special clinics operated for the more intensive study and care of patients with unusual problems. The students are given every opportunity to benefit from the clinical work as carried on and demonstrated on the wards and in the operating and delivery rooms.

There are approximately 5,000 admissions to the obstetrical service and about 2,000 to the gynecological service each year.

### THIRD YEAR

Course I. *THE THEORY AND PRINCIPLES OF OBSTETRICS AND GYNECOLOGY*... The content of this course consists of lectures and demonstrations covering the anatomy and physiology of the female reproductive system; the physiology and pathology of pregnancy, labor, and puerperium; and the etiology, pathology, and diagnosis of the diseases of the pelvic structures.

The entire class meets for these sessions on Tuesdays and Saturdays 12-1 p.m. throughout the year. Professors DOUGLAS, WILLIAMSON, JAVERT, FINN, JOHNSON, and McLANE. Total hours, 66.

Course II. *PRACTICAL INSTRUCTION*... This work is given to  $\frac{1}{6}$  of the class for periods of one half of a trimester ( $5\frac{1}{2}$  weeks) on Tuesdays and Thursdays from 10-12 a.m. The course deals especially with abdominal palpation, pelvic examination, and manikin exercises. Professors DOUGLAS, DENNEN, McCANDLISH, JOHNSON, and STAFF.

*COURSE III. WARD ROUNDS*... Tuesdays and Thursdays 9-10 a.m. Professor DOUGLAS and STAFF.

*COURSE IV. PRACTICAL DEMONSTRATION* . . . This course comprises instruction in obstetrical bacteriology and gynecological pathology. Mondays 9-12 a.m. for one trimester. Professors DOUGLAS, JAVERT, JOHNSON, and FINN. Total hours, 66 for Courses II, III, and IV.

### FOURTH YEAR

*MAJOR PRACTICAL OBSTETRICS AND GYNECOLOGY*... This course comprises practical work in obstetrics and gynecology and is the sequel to the theoretical instruction offered to the third year students.

Each student will live in the Woman's Clinic for a period of two months, during which time he will act as a clinical assistant in the obstetrical and gynecological departments, hospital wards, and delivery and operating rooms. He will be provided with sleeping accommodations, but not with board.

The practical work includes the prenatal care of many patients, attending them in labor, their delivery, as well as following them throughout the course of the puerperium. Facilities are also provided for the student to examine gynecological patients, and to follow these patients through diagnostic and therapeutic procedures.

Because of the nature of the service, night and holiday work is required. Minimum hours allotted to the course 264.

### ELECTIVE COURSES

*PRACTICAL OBSTETRICS AND GYNECOLOGY* . . . A certain number of students will be accepted to serve as assistants in the clinic.

Courses can be arranged in the chemical, bacteriological, and pathological laboratories for the study of specific research problems. The special clinics provide teaching facilities for clinical investigation in Carcinoma, Endocrinology, Heart Disease, Toxemia, X-ray Pelvimetry, Sterility and other allied sciences. The various Rounds and Staff Conferences can be attended.

Encouragement is given original work according to the departmental facilities and the student's capabilities, and in general will be designed to meet the student's qualifications.

## PATHOLOGY

JOHN G. KIDD, Professor of Pathology. (*Executive Officer*)  
JOHN M. PEARCE, Professor of Pathology.  
CORNELIUS P. RHOADS, Professor of Pathology.  
FRED W. STEWART, Professor of Pathology.  
FRANK W. FOOTE, JR., Associate Professor of Pathology.  
LEWIS D. STEVENSON, Associate Professor of Pathology.  
SAMUEL W. DOOLEY, Assistant Professor of Pediatrics in Pathology.  
BERNARD KALFAYAN, Assistant Professor of Pathology.  
CHARLES T. OLCOTT, Assistant Professor of Pathology.  
AARON KELLNER, Research Associate in Pathology.  
JOHN T. ELLIS, Instructor in Pathology.  
THEODORE ROBERTSON, Instructor in Pathology.  
STEPHEN VOGEL, Instructor in Pathology.  
JAMES B. HUTCHESON, III, Fellow in Pathology.  
ALAN P. THAL, Fellow in Pathology.  
CARL A. BERNTSEN, JR., Assistant in Pathology.  
FRED H. DRAPER, Assistant in Pathology.  
SUNG SOO LEE, Assistant in Pathology.  
JOHN W. MASON, Assistant in Pathology.  
RICHARD C. MORRISON, Assistant in Pathology.  
GOETZ W. RICHTER, Assistant in Pathology.  
ARTHUR R. WILSON, Assistant in Pathology.  
HELENE W. TOOLAN, Research Assistant in Pathology.

PAUL F. deGARA, Lecturer in Pathology.  
JULES FREUND, Lecturer in Pathology.  
MILTON HELPERN, Lecturer in Pathology.

## GENERAL PATHOLOGY

*FACILITIES*... The department of pathology occupies three floors of the central part of the college building, conveniently located above the library and in immediate contact with the hospital, the autopsy room being in the connecting wing between college and hospital. The teaching is largely concentrated on the third floor, where the autopsy room, demonstration room for pathological anatomy, anatomical museum, and class rooms are found. The fourth and fifth floors are chiefly unit laboratories for staff members and graduate students and for technical preparation. In addition, animal quarters and facilities for experimental work are on the fifth, sixth, and seventh floors.

The museum contains a carefully selected collection of specimens, representing most of the common and many of the more unusual pathological lesions. It is especially rich in lesions of bones and in tumors. In addition to this mounted collection, there is available a very considerable amount of constantly changing gross material for student study.

The postmortem service of the New York Hospital affords abundant opportunity for study of pathological anatomy and its relation to clinical medicine. The systematic records of autopsies performed at the New York Hospital have been preserved since 1851 and in recent years protocols and microscopic slides have been carefully indexed and filed.

*Instruction.* The course of instruction is given in the second and third terms of the second year. Gross and histological lesions are studied and their pathogenesis and correlation with disturbed function is considered. Lectures and class room demonstrations are supplemented by studies at the autopsy table. The course begins with the degenerations, inflammation, and repair, and proceeds with the various specific infections and tumors. The latter part of the course is devoted to special systematic pathology including an introduction to neuropathology.

**GENERAL AND SPECIAL PATHOLOGY . . .** Required in the second and third terms of the second year.

Professors KIDD, PEARCE, OLCOTT, and STAFF. 275 hours.

**NEUROPATHOLOGY . . .** The pathology of the nervous system is studied and altered structure and function correlated. Professor STEVENSON. 33 hours.

**CLINICAL PATHOLOGICAL CONFERENCES . . .** These conferences are held in cooperation with the staffs of the clinical departments of the Hospital and Medical College each week throughout the year. Observations concerning the clinical course and diagnosis of diseases are correlated with changes found at autopsy.

### ELECTIVE COURSES

A student may undertake the investigation of some problem in Pathology or may pursue advanced courses in any of several fields, to be determined by consultation with the head of the department. Research or elective courses will ordinarily require the entire time of the student for a period of one to three months, and may be continued into the summer.



## PEDIATRICS

SAMUEL Z. LEVINE, Professor of Pediatrics.  
OSCAR M. SCHLOSS, Professor of Clinical Pediatrics.  
ARTHUR F. ANDERSON, Associate Professor of Clinical Pediatrics.  
CARL H. SMITH, Associate Professor of Clinical Pediatrics.  
PHILIP M. STIMSON, Associate Professor of Clinical Pediatrics.  
MAY G. WILSON, Associate Professor of Clinical Pediatrics.  
HAROLD B. ADAMS, Assistant Professor of Clinical Pediatrics.  
HENRY L. BARNETT, Assistant Professor of Pediatrics.  
\*LEONA BAUMGARTNER, Assistant Professor of Clinical Pediatrics.  
CLEMENT B. P. COBB, Assistant Professor of Clinical Pediatrics.  
JOHN H. DALE, JR., Assistant Professor of Pediatrics in Radiology.  
MARGARET DANN, Assistant Professor of Pediatrics.  
HAROLD W. K. DARGEON, Assistant Professor of Clinical Pediatrics.  
SAMUEL W. DOOLEY, Assistant Professor of Pediatrics in Pathology.  
ROBERT O. Du BOIS, Assistant Professor of Clinical Pediatrics.  
HELENE ELIASBERG, Assistant Professor of Clinical Pediatrics.  
LEWIS M. FRAAD, Assistant Professor of Clinical Pediatrics.  
JOHN E. FRANKLIN, Assistant Professor of Clinical Pediatrics.  
MARTIN J. GLYNN, Assistant Professor of Clinical Pediatrics.  
JAMES Q. HARALAMBIE, Assistant Professor of Clinical Pediatrics.  
HELEN HARRINGTON, Assistant Professor of Clinical Pediatrics.  
FREDERICK C. HUNT, Assistant Professor of Clinical Pediatrics.  
EDMUND N. JOYNER, III, Assistant Professor of Clinical Pediatrics.  
HEDWIG KOENIG, Assistant Professor of Clinical Pediatrics.  
MILTON I. LEVINE, Assistant Professor of Clinical Pediatrics.  
LUIGI LUZZATTI, Assistant Professor of Clinical Pediatrics.  
MARY E. MERCER, Assistant Professor of Pediatrics in Psychiatry.  
CHARLES H. O'REGAN, Assistant Professor of Clinical Pediatrics.  
LOUIS E. WEYMULLER, Assistant Professor of Clinical Pediatrics.  
MARJORIE A. WHEATLEY, Assistant Professor of Clinical Pediatrics.  
SAMUEL R. BERENBERG, Instructor in Pediatrics.  
OTTO E. BILLO, Instructor in Pediatrics.  
WALTER T. CARPENTER, JR., Instructor in Pediatrics.  
PAUL F. de GARA, Instructor in Pediatrics.  
HENRY P. GOLDBERG, Instructor in Pediatrics.  
PHYLLIS H. KOTEEN, Instructor in Pediatrics.  
MARIAN McILVEEN, Instructor in Pediatrics.  
ROWLAND L. MINDLIN, Instructor in Pediatrics.  
LOIS M. SMEDLEY, Instructor in Pediatrics.  
JAMES L. TUCKER, Instructor in Pediatrics.  
STANLEY S. ZIPSER, Instructor in Pediatrics.  
MARY A. ENGLE, Fellow in Pediatrics.  
NATHAN EPSTEIN, Fellow in Pediatrics.  
JAMES E. D. GARDAM, Fellow in Pediatrics.  
KATHARINE H. HAIN, Fellow in Pediatrics.  
WALLACE W. McCORRY, Fellow in Pediatrics.  
EDWARD K. DuVIVIER, Assistant in Pediatrics.  
JOSEPH E. KALBACHER, Assistant in Pediatrics.

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\*On leave of absence until January 1, 1950.

WILLIAM E. LAUPUS, Assistant in Pediatrics.  
SARAH MATTESON, Assistant in Pediatrics.  
ALAN C. MERMANN, Assistant in Pediatrics.  
BERNARD J. SHUMAN, Assistant in Pediatrics.  
EDWIN P. STABINS, Assistant in Pediatrics.  
MAXWELL STILLERMAN, Assistant in Pediatrics.  
HUGH R. WILLIAMS, Assistant in Pediatrics.  
HELEN McNAMARA, Research Assistant in Pediatrics.

*THIRD YEAR . . .* A clinical lecture once a week throughout the entire school year presents the subjects of normal growth and development in infants and children, principles of nutrition with their application to infant feeding, and patients illustrating the peculiarities of disease in early life. Students serve as clinical clerks in pediatrics for a period of five and one-half weeks on the pavilions of the New York Hospital. They are assigned new cases in rotation and gain experience in the management of sick children requiring hospital residence. They are on duty in rotation at night and weekends. The work of the clinical clerkship includes attendance at well-baby and prophylactic clinics, rounds, and seminars. Instruction in contagious diseases is given at the Willard Parker Hospital. Total hours, 165.

*FOURTH YEAR . . .* The clinical lectures are continued through part of the fourth year. Students are assigned to the out-patient department in the mornings where they are given, under supervision, responsibility for the management of ambulatory pediatric patients. They take histories, make physical examinations, and prescribe treatment. A daily therapeutic conference supplements the clinical work. An effort is made to bring back to the out-patient department certain patients seen by the students in their third year for follow-up during their fourth year term in pediatrics. Emphasis is placed on the handling of psychosomatic problems and on the measures which can be taken to promote proper growth and development. Total hours, 51.

*ELECTIVE COURSES . . .* Elective courses are open to fourth year students. These include the general pediatric clinic, emergency unit, some special pediatric clinics, afternoon seminars, and research. Substitute internships are offered at times during the year.

## PHARMACOLOGY

McKEEN CATTELL, Professor of Pharmacology.  
HARRY GOLD, Professor of Clinical Pharmacology.  
OSCAR BODANSKY, Associate Professor of Clinical Pharmacology.  
WALTER MODELL, Assistant Professor of Clinical Pharmacology.  
FREDERICK S. PHILIPS, Assistant Professor of Pharmacology.  
WALTER F. RIKER, JR., Assistant Professor of Pharmacology.  
JANET TRAVELL, Assistant Professor of Clinical Pharmacology.  
CHARLES J. KENSLER, Instructor in Pharmacology.  
NATHANIEL T. KWIT, Instructor in Pharmacology.  
JOSEPH F. REILLY, Instructor in Pharmacology.  
W. CLARKE WESCOE\*, Instructor in Pharmacology.  
DONALD A. CLARKE, Research Fellow in Pharmacology.  
FRANK C. FERGUSON, Research Fellow in Pharmacology.  
SOLOMON GARB, Research Fellow in Pharmacology.

*EXPERIMENTAL PHARMACOLOGY* . . . Laboratory work, demonstrations, conferences, and lectures given during the first term of the second year. The experiments are designed to illustrate a wide range of pharmacologic effects, the more important drugs being considered with reference to their action on different structures and their behavior in the organism. In conference, the laboratory data obtained by the class are assembled and discussed in relation to each other and to experiments reported in the literature. This course also includes elementary pharmacy and toxicology, with a consideration of crude drugs, practice in the making of pharmacopeial preparations, and toxicological analysis. 99 hours.

*APPLIED PHARMACOLOGY* . . . This course is given during the third trimester of the second year and is a continuation of the course in Systematic Pharmacology. It is intended to fill a gap between experimental pharmacology and the clinical use of drugs, and deals with substances the pharmacological action of which can best be demonstrated on clinical material. This course includes practice in prescription writing. Emphasis is placed on evidence bearing directly on the human subject in health and diseases. 22 hours.

## ELECTIVE COURSES

*CONFERENCES ON THERAPY* . . . Weekly informal conferences on treatment arranged by the Departments of Pharmacology and Medicine in collaboration with other departments. These serve as a forum for the exchange of views and evaluation of evidence concerning drugs and other measures used in the treatment of disease, with open dis-

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\*John and Mary R. Markle Foundation Fellow.

cussion by students, members of the College and Hospital staff, and visitors.

*RESEARCH*... Arrangements are made for individuals or groups to participate in original investigations with a view to learning the methods of pharmacological research. Special opportunities are afforded for work on enzyme systems, muscle-nerve, autonomic nervous system, and the circulation.

## PHYSIOLOGY AND BIOPHYSICS

EUGENE F. Du BOIS, Professor of Physiology.  
DAYTON J. EDWARDS, Associate Professor of Physiology.  
JAMES D. HARDY, Associate Professor of Physiology.  
ROBERT M. BIRD, Assistant Professor of Physiology.  
HUGH R. De HAVEN, Research Associate in Physiology.  
JOHN D. EVANS, Research Associate in Physiology.  
GEORGE L. KAUER, JR., Research Associate in Physiology.  
RICHARD R. McCORMACK, Research Associate in Physiology.  
DOYLE JOSLIN, Instructor in Physiology.  
RICHARD W. LAWTON, Instructor in Physiology.  
JOHN MacLEOD, Instructor in Physiology.  
LAWRENCE R. PROUTY, Instructor in Physiology.  
CHARLES H. RICHARDS, Instructor in Physiology.

*FIRST YEAR* . . . Lectures, conferences, laboratory experiments and demonstrations. Physiology of muscle and nerve, gland secretion, digestion, the central nervous system, special senses, and endocrine organs. The laboratory work one full day a week includes experiments on these subjects. 110 hours.

*SECOND YEAR* . . . Lectures, conferences, laboratory experiments and demonstrations. Physiology of respiration, blood, heart, circulation, kidney, and metabolism. Laboratory exercises one full day a week. 121 hours.

The course of instruction in physiology is directed toward an understanding of the principles involved in the functioning of the human body and the integration of its various systems. The lectures are supplemented by references to the current literature. The department is fortunate in having housed on the fourth floor of its building the Graham Lusk Library of Physiology, a gift to the department from its late Professor Graham Lusk. This includes bound volumes of complete sets of the important physiological and biochemical literature, monographs, hand books, and text books and is being supplemented by some of the current journals and monographs. In addition to the college library, the facilities of this library are at the disposal of the students of medicine.

The laboratory work includes a number of human experiments, emphasizes mammalian physiology, and is directed toward quantitative determinations. The laboratory experiments are chosen to illustrate fundamental principles in the respective fields of physiology and are correlated with the lectures by means of conferences. The demonstrations include instruction in specialized techniques, experimental preparations, and presentation of clinical cases. These are facilitated by the participation and cooperation of staff members of various departments in the Medical College and the New York Hospital.

*ELECTIVE COURSES*

The department will arrange a schedule of work for fourth year students who wish to devote their elective time to physiology.

## COURSES OPEN TO SPECIAL STUDENTS

1. *PHYSIOLOGY*. Fee \$100 for each term.
2. *PHYSIOLOGICAL RESEARCH*. Subject to special arrangement with the head of the department.

## PSYCHIATRY

OSKAR DIETHELM, Professor of Psychiatry.  
PHYLLIS GREENACRE, Professor of Clinical Psychiatry.  
CARL A. BINGER, Associate Professor of Clinical Psychiatry.  
WILLIAM H. DUNN, Associate Professor of Clinical Psychiatry.  
GEORGE W. HENRY, Associate Professor of Clinical Psychiatry.  
ADE T. MILHORAT, Associate Professor of Medicine in Psychiatry.  
THOMAS A. C. RENNIE, Associate Professor of Psychiatry.  
JAMES H. WALL, Associate Professor of Clinical Psychiatry.  
HAROLD G. WOLFF, Associate Professor of Psychiatry.  
J. LOUISE DESPERT, Assistant Professor of Clinical Psychiatry.  
FRANCIS J. HAMILTON, Assistant Professor of Clinical Psychiatry.  
GERALD R. JAMEISON, Assistant Professor of Clinical Psychiatry.  
NORVELLE C. LaMAR, Assistant Professor of Clinical Psychiatry.  
ALEXANDER H. LEIGHTON, Assistant Professor of Clinical Psychiatry.  
MARY E. MERCER, Assistant Professor of Pediatrics in Psychiatry.  
FRED V. ROCKWELL, Assistant Professor of Clinical Psychiatry.  
JOHN H. TRAVIS, Assistant Professor of Clinical Psychiatry.  
LIVINGSTON WELCH, Assistant Professor of Psychology.  
EXIE ELIZABETH WELSCH, Assistant Professor of Clinical Psychiatry.  
JULIA B. MACKENZIE, Research Associate in Biochemistry in Psychiatry.  
EMIL OBERHOLZER, Research Associate in Psychiatry.  
EDWARD B. ALLEN, Instructor in Psychiatry.  
VALER BARBU, Instructor in Psychiatry.  
SARA A. BONNETT, Instructor in Psychiatry.  
A. LOUISE BRUSH, Instructor in Psychiatry.  
JOHN M. COTTON, Instructor in Psychiatry.  
ELEANOR CRISSEY, Instructor in Psychiatry.  
HELEN DANIELLS, Instructor in Psychiatry.  
ALAN W. FRASER, Instructor in Psychiatry.  
STEPHEN GOODYEAR, Instructor in Psychiatry.  
H. KENNETH HALL, Instructor in Psychiatry.  
WILLIAM A. HARVEY, Instructor in Psychiatry.  
FRANCIS D. KANE, Instructor in Psychiatry.  
CHARLES A. KNEHR, Instructor in Psychology.  
RICHARD N. KOHL, Instructor in Psychiatry.  
HELEN P. LANGNER, Instructor in Psychiatry.  
HAROLD W. LOVELL, Instructor in Psychiatry.  
EDA L. PRIEST, Instructor in Psychiatry.  
JARRETT RINGHAM, Instructor in Psychiatry.  
MARY JANE SHERFEY, Instructor in Psychiatry.  
DONALD J. SIMONS, Instructor in Psychiatry.  
JOSEPH D. SULLIVAN, Instructor in Psychiatry.  
HANS SYZ, Instructor in Psychiatry.  
NATHANIEL WARNER, Instructor in Psychiatry.  
KATHERINE F. WOODWARD, Instructor in Psychiatry.  
WALTER D. WOODWARD, Instructor in Psychiatry.  
HAROLD S. WRIGHT, Instructor in Psychiatry.  
JULIAN I. BARISH, Assistant in Psychiatry.  
JONATHAN O. COLE, Assistant in Psychiatry.  
MARIA FREILE FLEETWOOD, Assistant in Psychiatry.



MARTIN J. GERSON, Assistant in Psychiatry.  
THEODORE M. MADDEN, Assistant in Psychology.  
ALBERT N. MAYERS, Assistant in Psychiatry.  
LEONARD R. STRAUB, Assistant in Psychiatry.  
WILLIAM D. VOORHEES, Assistant in Psychiatry.  
FREDERICK J. WERTZ, Assistant in Psychiatry.  
GEORGE J. WRIGHT, Assistant in Psychiatry.

MANFRED BLEULER, Lecturer in Psychiatry.

The Department of Psychiatry offers instruction during each of the four years. The understanding of growth and development of the normal personality forms a necessary basis for future clinical training. A course in psychopathology in the second year orients the student in personality disorders and in the methods of their examination and study. In the third year, this preliminary training is utilized in the study of patients at the Payne Whitney Psychiatric Clinic and on the pavilions of the New York Hospital. In the Psychiatric Out-Patient Department, during the fourth year, he participates in the study and treatment of the diverse problems presenting themselves in general psychiatric practice. The importance of personality problems in general medicine is taught in the pavilions of the New York Hospital and in the Out-Patient service of the Payne Whitney Psychiatric Clinic. Clinics are planned to unify these many activities and to offer in addition a broad understanding of treatment and investigation.

*FIRST YEAR: PERSONALITY GROWTH AND DEVELOPMENT*

... This course acquaints the student with the growth and development and methods of study of the normal personality. Lectures, seminars, and selected films are utilized in presenting a dynamic orientation to the formation of the adult personality from infancy through senescence. The significance of interpersonal relations is stressed, with particular emphasis on the patient-physician relationship. Psychological, physiological, and sociological factors are considered. Total hours, 22.

*SECOND YEAR: PSYCHOPATHOLOGY AND METHODS OF EXAMINATION*

... The outstanding psychopathological phenomena are demonstrated and their psychodynamics studied by the students on patients in the Out-Patient Department of the Payne Whitney Psychiatric Clinic, and at the Manhattan State Hospital. This course offers practical experience in interviewing and history-taking, and in the methods of psychiatric examination. Total hours, 33.

*THIRD YEAR: CLINICAL PSYCHIATRY* ... In the In-Patient Department of the Payne Whitney Psychiatric Clinic various psychiatric illnesses are presented; in the medical and surgical pavilions of the New York Hospital, patients are studied in whom psychological and psychopathological factors are important. Total hours, 33.

*FOURTH YEAR: CLINICAL PSYCHIATRY* . . . In this course in the Out-Patient Department of the Payne Whitney Psychiatric Clinic, the student carries out the treatment of individual patients. This course offers an opportunity to learn psychotherapy under close supervision, and to understand the role of psychiatric social service and of psychological studies in the adjustment of these patients. Clinics with case presentation, with emphasis on psychiatric treatment and review of literature, are given on Monday from 12:00 to 1:00 o'clock. A series of lectures deals with the psychopathology of childhood and the management of related difficulties. Total hours, 81.

*ELECTIVE WORK* . . . Opportunities for elective work are provided in the Out-Patient Department and in the laboratories of the Payne Whitney Psychiatric Clinic, and at the Westchester Division of the New York Hospital, White Plains, New York.

## PUBLIC HEALTH AND PREVENTIVE MEDICINE

- WILSON G. SMILLIE, Professor of Public Health and Preventive Medicine.  
MORTON C. KAHN, Associate Professor of Public Health and Preventive Medicine.  
\*LEONA BAUMGARTNER, Assistant Professor of Public Health and Preventive Medicine.  
EMERSON DAY, Assistant Professor of Public Health and Preventive Medicine.  
HERBERT R. EDWARDS, Assistant Professor of Public Health and Preventive Medicine.  
FRANKLIN M. FOOTE, Assistant Professor of Public Health and Preventive Medicine.  
ELISE S. L'ESPERANCE, Assistant Professor of Public Health and Preventive Medicine.  
ALFRED YANKAUER, Assistant Professor of Public Health and Preventive Medicine.  
NINE CHOUCROUN, Research Associate in Public Health and Preventive Medicine.  
BERNARD D. DAVIS, Research Associate in Public Health and Preventive Medicine.  
SAMUEL R. BERENBERG, Instructor in Public Health and Preventive Medicine.  
AARON D. CHAVES, Instructor in Public Health and Preventive Medicine.  
PHILIP OLLSTEIN, Instructor in Public Health and Preventive Medicine.  
EDWIN J. ROBINSON, Instructor in Public Health and Preventive Medicine.  
WALTER D. WOODWARD, Instructor in Public Health and Preventive Medicine.  
JEANNE H. CHASE, Research Assistant in Public Health and Preventive Medicine.

FIRST YEAR: *PARASITOLOGY*... This course is assigned to the Department of Public Health and Preventive Medicine because the major interests of several members of the staff lie in the field of tropical medicine. Furthermore, the preventive aspects of diseases that are produced by parasites are of paramount importance in the control of these infections.

The course is given each Thursday afternoon during the third trimester of the first year. The lectures are given from 12-1 p.m. After an hour's intermission, the laboratory work is continued from 2-4 p.m.

The important parasites of man are considered: the mode of transmission of each parasite is studied, as well as the life cycle and intermediate hosts. Particular emphasis is placed on the clinical aspects of the various diseases that may be produced by the parasites. Prevention and control of human parasitic diseases are given proper consideration, and the therapy of these conditions is discussed carefully.

An abundance of material is used for demonstration purposes. Many of the parasites are studied in living stages. Clinical cases of the various diseases under study are presented from the hospital wards, out-patient clinics, and elsewhere, whenever suitable material is available. Total hours, 33.

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\*On leave of absence until January 1, 1950.

**SECOND YEAR: PUBLIC HEALTH . . .** The course in Public Health begins in the second term of the second year. It is an introductory course in environmental sanitation, industrial hygiene, vital statistics, and the principles of public health. The students are assigned to this work every Monday afternoon for approximately 11 exercises. Laboratory assignments and field exercises make up the major part of the work. The essential material covered in this term relates to community health protection, including the control of water supplies, sewage disposal, and the sanitation of food. Housing is studied in relation to its various social and hygienic aspects, as well as air-borne infection and the problems of industrial hygiene. Four afternoons are devoted to vital statistics, including a consideration of the methods of statistical analysis and interpretation; three afternoons are devoted to health promotion of the industrial worker. Field visits are made, usually in small groups, to demonstrate industrial sanitation, housing, the New York City Health Department's diagnostic laboratory service, and other pertinent matters. Total hours, 33.

**THIRD YEAR: PREVENTIVE MEDICINE . . .** Students are divided into small groups of about 12 in each group. These students are assigned to the Department of Preventive Medicine every Friday all day for a five to six week period. The sections are subdivided into groups of about 4 students. These groups are then assigned to section work in the various activities of the Kips Bay-Yorkville Health Center. In addition, the students are given a full day's session with the Department of Workmen's Compensation and one-half day session at the Strang Cancer Prevention Clinic at Memorial Hospital. Each Friday at noon throughout the year the whole class assembles for a lecture or discussion. The subject matter of these exercises has, for the most part, been prepared by and is presented by the students themselves. Total lectures and discussions, 33 hours; total section work, 33 hours.

*Community Study . . .* Each student is requested to prepare a report of a community of his own choice, giving in detail the facilities provided by the community for care of illness and protection of community health. This report includes not only the activities of the community health and welfare departments, but also the hospital facilities, medical, nursing, and dental personnel, and all other phases of community activities that aid in providing a comprehensive system of adequate medical care.

**FOURTH YEAR: CLINICAL EXERCISES IN PREVENTIVE MEDICINE . . .** Every Tuesday from 12 to 1 p.m. The clinical conferences are joint presentations of the Department of Public Health and Preventive Medicine and various members of the clinical faculty. The students obtain clinical material from the leader of the discussion and present it to their fellow students. The conferences illustrate methods

whereby the principles of preventive medicine may be incorporated by each physician in his daily practice of curative medicine. Practically every department of the Medical College participates in these exercises. At least four exercises are devoted to a discussion of the adequacy of medical care, with presentation of various plans that have been proposed for the provision of this type of community service. Total hours, 33.

### ELECTIVE COURSES

*PREVENTIVE MEDICINE* . . . An elective course is offered to students in the fourth year. Not more than four students will be accepted for any one period. Students will be assigned to the Kips Bay-Yorkville District Health Center and will participate in the various clinical and research activities of the Center.

*MEDICAL PARASITOLOGY* . . . This course is intended to supplement and extend the required work in this field. Diagnosis, life histories of parasites and their vectors, and control measures are considered with special reference to tropical medicine.

The Department has been the recipient of the Marcelle Fleischmann Memorial Fund for the study of immunologic and allergic phenomena in tropical diseases. Third or fourth year students may associate themselves with one of the several research projects being carried out under this grant.

## RADIOLOGY

ROBERT P. BALL, Professor of Radiology.

HAROLD L. TEMPLE, Professor of Clinical Radiology.

SYDNEY WEINTRAUB, Associate Professor of Clinical Radiology.

HARRY W. BURNETT, Assistant Professor of Radiology.

JOHN H. DALE, JR., Assistant Professor of Pediatrics in Radiology.

GEORGE JASPIN, Assistant Professor of Clinical Radiology.

LEONIDAS D. MARINELLI, Assistant Professor of Radiology (Radiological Physics).

JAMES J. NICKSON, Assistant Professor of Radiology.

T. ARTHUR PEARSON, Assistant Professor of Clinical Radiology.

ROBERT S. SHERMAN, Assistant Professor of Radiology.

ISRAEL STEINBERG, Assistant Professor of Clinical Radiology (Angiocardiography).

JOSEPH V. SULLIVAN, Assistant Professor of Clinical Radiology.

STEPHEN WHITE, Assistant Professor of Clinical Radiology.

ELIZABETH F. FOCHT, Instructor in Radiology.

ALFRED W. KANY, Instructor in Radiology.

JACQUE E. MILLER, Instructor in Radiology.

IRVING SCHWARTZ, Instructor in Radiology.

ARTHUR TILLINGHAST, Instructor in Radiology.

CHARLES T. DOTTER, Fellow in Radiology.

LUCILLE M. BOND, Lecturer in Radiology.

The Teaching of Radiology begins with the second year class and continues through the senior year. This training is made up of didactic lectures, by section work with smaller groups in connection with the clinical clerkships, and by presentation of the X-ray aspects of various cases at the regular conferences of the clinical departments. Moreover, elective courses given in the Fourth Year play an important part in supplementing these methods. A large film and lantern slide museum of cases carefully selected for their teaching value has been prepared. This is constantly added to from the abundant material passing through the Department, and is an important and invaluable source for teaching, research, and reference.

The Department of Radiology occupies three floors of the L Building. One-half of one of these floors is devoted to X-ray Therapy. Additional equipment for special examinations is located in the Woman's Clinic, Urology, Psychiatry and elsewhere in the Medical College and Hospital.

A series of eleven lectures is given to the entire Second Year class. These lectures are of an elementary nature in which the student is introduced to the basic functions and problems, indications, and limitations of this specialty.

Section work is conducted in the Third Year, while the students are serving as clinical clerks. The Departments of Medicine, Pediatrics, and Surgery assign each group receiving instruction from them, to the Department of Radiology for regularly scheduled sessions. Specifically related X-ray material is presented and correlated with the clinical and laboratory findings. These sessions total approximately 30 hours.

No formal training in Radiology is offered during the student's senior year, but opportunity for further study is available in this department. An X-ray clinical clerkship has proven popular with many students. This is an elective course of four weeks' duration during which the student observes and when possible assists in routine activities of the Department. Arrangements can be made with the Department for observation and instruction in angiocardiography and cardiac catheterization.

For fourth year students, informal weekly conferences are held during their term on medicine and in these sessions a thorough study is made of the radiographic findings on current cases worked up by the students in the Out-Patient Department with discussions by members of the attending staff in Radiology.



## SURGERY

FRANK GLENN, Professor of Surgery.  
WILLIAM DeW. ANDRUS, Professor of Clinical Surgery.  
ALEXANDER BRUNSCHWIG, Professor of Clinical Surgery.  
GUILFORD S. DUDLEY, Professor of Clinical Surgery.  
JOHN M. McLEAN, Professor of Clinical Surgery (Ophthalmology).  
ARTHUR PALMER, Professor of Clinical Surgery (Otolaryngology).  
JOHN M. PEARCE, Professor of Pathology in Surgery.  
BRONSON S. RAY, Professor of Clinical Surgery.  
FRANK E. ADAIR, Associate Professor of Clinical Surgery.  
WILLIAM A. BARNES, Associate Professor of Clinical Surgery.  
CHARLES G. CHILD, III, Associate Professor of Clinical Surgery.  
HERBERT CONWAY, Associate Professor of Clinical Surgery.  
WILLIAM A. COOPER, Associate Professor of Clinical Surgery.  
NELSON W. CORNELL, Associate Professor of Clinical Surgery.  
JOHN W. DRAPER, Associate Professor of Clinical Surgery (Urology).  
JOHN H. ECKEL, Associate Professor of Clinical Surgery.  
KRISTIAN G. HANSSON, Associate Professor of Clinical Surgery (Physical Therapy).  
CRANSTON W. HOLMAN, Associate Professor of Clinical Surgery.  
HOWARD S. JECK, Associate Professor of Clinical Surgery (Urology).  
FREDERICK L. LIEBOLT, Associate Professor of Clinical Surgery (Orthopedics).  
GERVAIS W. McAULIFFE, Associate Professor of Clinical Surgery (Otolaryngology).  
ALLISTER M. McLELLAN, Associate Professor of Clinical Surgery (Urology).  
WILLIAM F. MacFEE, Associate Professor of Clinical Surgery.  
VICTOR F. MARSHALL, Associate Professor of Clinical Surgery (Urology).  
JAMES A. MOORE, Associate Professor of Clinical Surgery (Otolaryngology).  
S. W. MOORE, Associate Professor of Clinical Surgery.  
RUSSEL H. PATTERSON, Associate Professor of Clinical Surgery.  
E. COOPER PERSON, JR., Associate Professor of Clinical Surgery.  
MORRIS K. SMITH, Associate Professor of Clinical Surgery.  
FRED W. STEWART, Associate Professor of Surgical Pathology.  
PRESTON A. WADE, Associate Professor of Clinical Surgery.  
JOSEPH F. ARTUSIO, JR., Assistant Professor of Surgery (Anesthesia).  
IRVIN BALENSWEIG, Assistant Professor of Clinical Surgery (Orthopedics).  
MILTON L. BERLINER, Assistant Professor of Clinical Surgery (Ophthalmology).  
BRADLEY L. COLEY, Assistant Professor of Clinical Surgery.  
ARCHIE L. DEAN, Assistant Professor of Clinical Surgery (Urology).  
JAMES A. DINGWALL, III, Assistant Professor of Clinical Surgery.  
EDWARD A. DUNLAP, Assistant Professor of Clinical Surgery (Ophthalmology).  
GEORGE F. EGAN, Assistant Professor of Clinical Surgery (Dentistry).  
JOHN C. A. GERSTER, Assistant Professor of Clinical Surgery.  
DAN M. GORDON, Assistant Professor of Clinical Surgery (Ophthalmology).  
GUSTAVUS A. HUMPHREYS, Assistant Professor of Clinical Surgery (Urology).  
D. REES JENSEN, Assistant Professor of Clinical Surgery.  
SAMUEL F. KELLEY, Assistant Professor of Clinical Surgery (Otolaryngology).  
ERNEST W. LAMPE, Assistant Professor of Clinical Surgery.  
FREDERICK C. McLELLAN, Assistant Professor of Clinical Surgery (Urology).  
HAYES MARTIN, Assistant Professor of Clinical Surgery.  
LAURENCE MISCALL, Assistant Professor of Clinical Surgery.  
WILLIAM F. NICKEL, JR., Assistant Professor of Clinical Surgery.  
GEORGE T. PACK, Assistant Professor of Clinical Surgery.

HERBERT PARSONS, Assistant Professor of Clinical Surgery (Neurosurgery).  
JOHN L. POOL, Assistant Professor of Clinical Surgery.  
HERBERT J. RIEKERT, Assistant Professor of Clinical Surgery (Orthopedics).  
JOHN G. SCHMIDT, Assistant Professor of Clinical Surgery (Orthopedics).  
JOHN P. WEST, Assistant Professor of Clinical Surgery.  
WILLET F. WHITMORE, JR., Assistant Professor of Clinical Surgery (Urology).  
JACOB APPLEBAUM, Instructor in Surgery.  
WILLIAM H. AYRES, Instructor in Surgery.  
STANLEY J. BEHRMAN, Instructor in Surgery.  
ANNE M. BELCHER, Instructor in Surgery.  
WILLIAM T. BERKELEY, Instructor in Surgery.  
SAM R. BURNETT, Instructor in Surgery.  
THOMAS I. CAREY, Instructor in Surgery.  
EDWARD C. COATS, Instructor in Surgery.  
ARTHUR D. CONSOLE, Instructor in Surgery.  
CARLTON M. CORNELL, Instructor in Surgery.  
ROBERT D. DEANS, Instructor in Surgery.  
MICHAEL R. DEDDISH, Instructor in Surgery.  
J. EDWIN DREW, Instructor in Surgery.  
WADE DULEY, Instructor in Surgery.  
HOWARD S. DUNBAR, Instructor in Surgery.  
FRANK W. FARRELL, Instructor in Surgery.  
MILTON GABEL, Instructor in Surgery.  
THOMAS J. GARRICK, Instructor in Surgery.  
HAROLD GENVERT, Instructor in Surgery.  
VINCENT A. GORMAN, Instructor in Surgery.  
EUGENE J. GUENARD, Instructor in Surgery.  
JAMES S. HARRISON, Instructor in Surgery.  
NORMAN L. HIGINBOTHAM, Instructor in Surgery.  
JAMES M. HOLMAN, Instructor in Surgery.  
RUSSELL H. HOOKER, Instructor in Surgery.  
SUZANNE A. L. HOWE, Instructor in Surgery.  
FRANK J. HYNES, Instructor in Surgery.  
THOMAS R. IVERS, Instructor in Surgery.  
JOSEPH T. KAUER, Instructor in Surgery.  
JAMES T. KELLY, Instructor in Surgery.  
HAROLD J. LEIDER, Instructor in Surgery.  
BEECHER W. LEVERSEE, Instructor in Surgery.  
FRANK J. MCGOWAN, Instructor in Surgery.  
JAMES A. McLEOD, Instructor in Surgery.  
BERNARD MAISEL, Instructor in Surgery.  
JOHN S. MARTIN, Instructor in Surgery.  
CHARLES T. MEACHAM, Instructor in Surgery.  
LEOPOLD MEHLER, Instructor in Surgery.  
JUAN NEGRIN, Instructor in Surgery.  
JOHN B. OGILVIE, Instructor in Surgery.  
EARL A. O'NEILL, Instructor in Surgery.  
WARD D. O'SULLIVAN, Instructor in Surgery.  
ERIC C. RICHARDSON, Instructor in Surgery.  
JOHN E. SUTTON, Instructor in Surgery.  
NORMAN TREVES, Instructor in Surgery.  
RICHARD C. TROUTMAN, Instructor in Surgery.  
WILLIAM L. WATSON, Instructor in Surgery.  
WILLIS M. WEEDEN, Instructor in Surgery.  
JOHN C. WEETER, Instructor in Surgery.

WILFRID D. WINGEBACH, Instructor in Surgery.  
WILLIAM I. WOLFF, Instructor in Surgery.  
RUTH S. HOFFMAN, Research Fellow in Surgery.  
GEORGE R. HOLSWADE, Research Fellow in Surgery.  
STUART S. SNYDER, Research Fellow in Surgery.  
ROSE ANDRE, Assistant in Surgery.  
IRVING BARAS, Assistant in Surgery.  
RODOLFOS BOLANOS, Assistant in Surgery.  
FRANKLYN P. BOUSQUET, Assistant Surgery.  
JOHN J. BOWE, Assistant in Surgery.  
JAMES W. BOYD, Assistant in Surgery.  
PAUL W. BRAUNSTEIN, Assistant in Surgery.  
HENRY C. CLEVELAND, JR., Assistant in Surgery.  
JAMES E. DAVIS, Assistant in Surgery.  
PETER DINEEN, Assistant in Surgery.  
ROBERT L. DOW, Assistant in Surgery.  
CHARLES F. DYER, Assistant in Surgery.  
JOHN GLASSON, Assistant in Surgery.  
ARTHUR L. GORE, Assistant in Surgery.  
JAMES L. GREEN, Assistant in Surgery.  
CHARLES S. HARRISON, Assistant in Surgery.  
FRANK HOFFMAN, Assistant in Surgery.  
ALBERT ISENHOUR, Assistant in Surgery.  
FRANCIS C. JACKSON, Assistant in Surgery.  
RICHARD KARL, Assistant in Surgery.  
HENRY F. KRAMER, Assistant in Surgery.  
ANTONIO F. LaSORTE, Assistant in Surgery.  
ROY D. McCLURE, JR., Assistant in Surgery.  
WILFRED D. McCUSKER, Assistant in Surgery.  
ROSS S. McELWEE, JR., Assistant in Surgery.  
BENJAMIN E. MARBURY, Assistant in Anesthesiology.  
JOHN ALAN NICHOLS, Assistant in Surgery.  
ALBERT J. PAQUIN, Assistant in Surgery.  
THOMAS D. REES, Assistant in Surgery.  
GILBERT I. SMITH, Assistant in Surgery.  
DAVID S. SPEER, Assistant in Surgery.  
BJORN THORBJARNARSON, Assistant in Surgery.

## GENERAL SURGERY

SECOND YEAR. . . . .During the Third term of the second year, two hours a week will be devoted to fundamental surgical problems. Total hours, 22.

THIRD YEAR. . . . .In the Third year, students will spend the entire time in the Out-Patient Department, both for General Surgery and the Surgical Specialties. During this time they will gain experience in history taking, physical examination, diagnostic work-up, and care of out-patients. Here the students come in contact with patients exhibiting a wide variety of surgical conditions.

During one term for four mornings and four afternoon sessions in the Diagnostic Clinic of General Surgery and also in the Minor Surgical

Clinic, students will work up patients, make a differential diagnosis and formulate treatment in conference with a senior instructor.

A surgical clinic is held at the noon hour for students of the third year throughout the year. For one term, one lecture each week is devoted to fractures, and in addition each student spends one afternoon a week in the fracture clinic. During the week three conferences with the entire group and a senior instructor are held, at which time selected topics are presented and discussed. A weekly Clinical Pathological Conference is held, attended by both the Third and Fourth year students. A course in operative surgery on animals, designed to emphasize the fundamental principles of surgery will occupy one morning each week. Time, 330 hours.

**FOURTH YEAR.....**During the time assigned to Surgery in the Fourth year, the students spend their entire time on the Surgical Pavilions as clinical clerks. This allows the opportunity of following each patient to the X-ray Department, to the operating room and also following specimens in Surgical Pathology. In conjunction with this, a Surgical Symposium is held each week, at which time recent advances in Surgery are discussed. An X-ray Conference and a Tumor Conference, as well as a conference in Surgical Pathology is given weekly, in order to correlate all findings in regard to individual patients. One hour each day is devoted to a conference in General Surgery or one of the Specialties including Neurosurgery, Chest Surgery and Plastic Surgery. Both the Third and Fourth year classes attend the Grand Surgical Rounds each week. Time 264 hours.

**OPHTHALMOLOGY:** During the third term of the second year, the entire class receives instruction in the microscopy of the eye including the pathology of such important diseases as uveitis, glaucoma, intra-ocular tumors, tuberculosis, injuries, and sympathetic ophthalmia. Introduction to special diagnosis, techniques, particularly use of the ophthalmoscope, is given at this time. Total hours, 22.

In the term of the third year assigned to surgery, a series of lectures and clinical demonstrations is held one afternoon a week in which the commoner eye conditions encountered in the Out-Patient Department and on the wards are covered. At the same time each student spends a limited period of time in the Ophthalmological Clinic.

In the term of the fourth year assigned to Surgery, the students are rotated in small groups through the Out-Patient Department for examination, diagnosis, and treatment of patients under supervision. This is supplemented by conferences and ward rounds.

**ORTHOPEDIC SURGERY:** During each trimester in surgery of the third year there is one lecture a week in Orthopedic Surgery which serves as an introduction to the clinical work in the surgical wards.

Students work in the Orthopedic Out-Patient Clinic, during the entire period of 11 weeks. In the fourth year a limited number of students serve as clinical clerks on the orthopedic Pavilion.

**OTOLARYNGOLOGY:** In the third year, for one term, clinical lectures, illustrated by the presentation of cases, are given to the entire class. The anatomy of the head is reviewed and instruction in the examination of the ear, nose, and throat is given. The subjects of bronchoscopy and rhinoplasty are discussed.

Third year students spend one afternoon each week in the Otolaryngological Out-Patient Department and have the opportunity to study cases on the pavilions as well. During this period, special topics are presented to the section by various members of the teaching staff.

Opportunity is offered during the elective term of the fourth year to spend additional time on this subject.

**UROLOGY:** The teaching of Urology is carried out by means of lectures and clinics during the surgical term of the third year, at which time patients suffering from a wide variety of urological conditions are presented. This is supplemented by experience in the Urological wards and Out-Patient Department.

### ELECTIVE COURSES

Courses are offered in advanced general surgery, surgical pathology, experimental surgery, neuro-surgery, and in the specialties of surgery: urology, orthopedics, ophthalmology, otolaryngology, and plastic surgery. Elective work combined with medicine is also offered in special clinics in the Out-Patient Department. More detailed information regarding these electives may be had by consulting the head of the surgical department. In addition, elective work is available at Memorial Hospital.

### COURSE OFFERED TO GRADUATE STUDENTS

A graduate course in surgery based on the resident system is offered to a limited number of physicians who are graduates of approved medical schools and who have completed one year's internship in an approved hospital. Detailed information regarding this course will be furnished on request by the head of the surgical department.

In the resident training, men are advanced by steps to the position of Resident Surgeon in General Surgery and the specialties. This leads to qualifications for the American Boards.

## MILITARY MEDICINE

URBAN L. THROM, II, Professor of Military Science and Tactics.

This elective course in Military Medicine is given by an officer of the Medical Corps, detailed by the Surgeon General. It is a progressive course of four years, of 32 hours' instruction a year, consisting of a one hour lecture or conference period each week. There is also one six weeks summer camp training period that each student must attend.

Any male citizen who meets the physical requirements for admission to the Army is eligible to take the course. Students who have commissions in Army Reserve Units may take the course, but those with Navy or Coast Guard Reserve Commissions may not take the course until they resign such commissions.

No uniforms are worn by Medical R.O.T.C. students and there are no drill periods. During the last two years of the course the student is paid by the government at the rate of approximately \$200 a year. He is also paid for camp attendance and is paid travel allowances from the Medical College to camp and return.

Upon receiving his medical degree, each student who has satisfactorily completed the course in Military Medicine will be offered a commission as First Lieutenant in the Medical Reserve Officers' Corps. Reserve Officers are called to active duty only with their own consent.

The course is designed to supplement the regular medical curriculum and to give the student an elementary knowledge of Military Medicine. The first year is devoted to the organization of the Army and the medical department, military law, and medical administration; the second year to tactics, medical service of military units, evacuation of the wounded, and first aid; the third year to military preventive medicine, and field medicine and surgery; the fourth year to medical aspects of atomic warfare, military psychiatry, and military medical research.

## *The Graduate School*

The Graduate School has exclusive control of all graduate work carried on in the University. Certain professors in the pre-clinical departments of the Cornell University Medical College offer graduate instruction as an integral part (Group F) of the Graduate School of Cornell University. Properly qualified students may accordingly enter upon graduate work in New York City under the jurisdiction of professors in these departments and may become candidates for advanced degrees under the same conditions as apply to students in other divisions of the Graduate School. Although the Medical College has developed a broad program of graduate training in the medical science departments, the provision for advanced training in the clinical departments has been mainly in the form of hospital residencies. More recently, however, certain of the clinical departments have developed opportunities for a limited amount of clinical work on a post-graduate basis.

To be admitted to the Graduate School, an applicant (1) must have received his baccalaureate degree from a college or university of recognized standing, or have done work equivalent to that required for such degree; (2) as judged by his previous scholastic record, or otherwise, must show promise of ability satisfactorily to pursue advanced study and research; and (3) must have had adequate previous preparation in his chosen field of study to enter at once upon graduate study in that field. An applicant who is not a graduate of Cornell University must submit complete official transcripts of all previous college studies.

Students may be admitted to the Graduate School at the medical college in one of the following two classes:

(1) Candidates for degrees;

(2) Graduate students not candidates for degrees; "non-candidates."

For more detailed information concerning the rules and regulations covering graduate work in the Graduate School, the pamphlet entitled *The Announcement of the Graduate School* should be consulted by the candidate before application for admission. A copy of this announcement may be obtained at the Administrative Offices of the Medical College or directly from the Graduate School at Ithaca, N. Y.



Application for admission should be made at the Office of the Dean, Cornell University Medical College, New York City, where the necessary forms may be obtained. Dr. C. V. Morrill, Chairman of Group F of the Graduate School may be consulted (at the medical college) for additional information. Since the number of graduate students who can be accommodated is limited, a personal interview is required of all applicants *before the filing of forms*. Applicants who have been accepted should file their forms at the earliest possible date.

### TUITION AND OTHER FEES

*A TUITION FEE* of \$225 each term is to be paid by all students registered in the Graduate School. It is payable at the beginning of each term as indicated on the registration coupon number 5.

A member of the teaching or scientific staff registered in the Graduate School of the Medical College shall pay tuition at the rate of three-quarters of the tuition regularly charged full-time students.

Graduate students holding certain appointments as University Fellows or Graduate Scholars and holders of certain temporary fellowships and scholarships are exempt from the payment of the tuition fee. Graduate students who, having satisfactorily completed the requirements of residence for the degree, and having obtained the recommendation of the Dean and their special committees, remain in residence for not more than one year to finish their studies by independent work.

*AN ADMINISTRATION FEE* of \$12.50 a term, payable at the beginning of each term, is to be paid by all students registered in the Graduate School.

*A MATRICULATION AND EXAMINATION BOOK FEE* of \$10 is required of every student upon his first entrance into the University. It must be paid at the time of registration and is not refundable.

*A GRADUATION FEE* of \$10 is required, at least ten days before the degree is to be conferred, of every candidate for an advanced degree. The fee will be returned if the degree is not conferred.

### TUITION SCHOLARSHIPS

For Graduate students, the Board of Trustees has established thirty tuition scholarships. They entitle the holder to exemption from payment of tuition fees, but not other fees, for the duration of the appointment. Applications should be made to the professor, or professors, in whose field the applicant is working, or to the office of the Graduate School by March 1 of the academic year preceding that for which the award is desired. Awards are made in April of each year.

## Special Students

All students *not registered in Cornell University Graduate School and not registered for the M.D. degree* are SPECIAL STUDENTS. These are SPECIAL STUDENTS in the true sense of the word and must be especially qualified in preparation, ability, and objective in order to receive any consideration. They may or may not be graduate students in the sense of having completed work for a collegiate degree. They are admitted *only by the consent of the head of the department* and must be registered in the Administrative Offices of the medical college and must pay their fees at the business office before being admitted to lectures or laboratory periods. They are required to carry and show on demand of the authorities a permit of attendance.

### FEES

Matriculation Fee .....	\$10
Administration Fee .....	5

Tuition fees vary depending upon the type of work taken.

A breakage fee may be required.

# Table of Required Hours

	First Year	Second Year	Third Year	Fourth Year	Total
ANATOMY (GROSS) .....	374				
HISTOLOGY AND EMBRYOLOGY. ....	180				
NEURO-ANATOMY .....	84				638
BIOCHEMISTRY .....	220				220
BACTERIOLOGY .....		143			143
PHYSIOLOGY .....	110	121			231
PATHOLOGY .....		308			308
PHARMACOLOGY .....		121			121
MEDICINE:					
PHYSICAL DIAGNOSIS .....		121			
CLINICAL PATHOLOGY .....		77			
NEUROLOGY .....		33			
SPECIALTIES, CLERKSHIP & OPD. ....			297	264	
LECTURES .....		22	33	11	858
SURGERY:					
OPHTHALMOLOGY .....		22			
INTRODUCTORY SURGERY .....		22			
SPECIALTIES, CLERKSHIP & OPD. ....			297	264	
LECTURES .....			33		638
OBSTETRICS AND GYNECOLOGY:					
PRACTICAL INSTRUCTION .....			66	264	
LECTURES .....			66		396
PEDIATRICS:					
PRACTICAL INSTRUCTION .....			132	40	
LECTURES .....			33	11	216
PSYCHIATRY:					
PSYCHOBIOLOGY .....	22				
PSYCHIATRY .....		33	33	48	
LECTURES .....				33	169
PUBLIC HEALTH:					
PARASITOLOGY .....	33				
FIELD AND SECTION WORK .....		22	33		
LECTURES .....		11	33	33	165
CONTAGIOUS DISEASES .....			18		18
RADIOLOGY .....		11			11
ELECTIVE HOURS .....				(440)	
TOTALS .....	1023	1067	1074	968	4132

( ) Elective time not included in totals.

## THE MEDICAL COLLEGE

FIRST YEAR SCHEDULE  
1949-1950

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Histology	Anatomy	Anatomy	Anatomy	Histology	Anatomy
10-11						
11-12						
12-1						
1-2	Biochemistry	Histology	Free	Biochemistry	Biochemistry	
2-3	Anatomy			Histology	Anatomy	
3-4						
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Neuro-Anatomy	Histology	Anatomy	Neuro-Anatomy	Anatomy	Neuro-Anatomy* Histology
10-11						
11-12						
12-1						
1-2	Biochemistry	Anatomy		Biochemistry	Biochemistry	
2-3	Anatomy		Free	Anatomy	Library Lectures**	
3-4						
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Biochemistry	Physiology	Biochemistry	Physiology	Biochemistry	Physiology
10-11				Psychobiol.		
11-12						
12-1						
1-2				Parasitology		
2-3	Psychobiol.	Physiology	Free		Biochemistry	
3-4						
4-5						

\*Five sessions Histology and 6 Neuro-Anatomy.

\*\*When Scheduled.

## SECOND YEAR SCHEDULE

1949-1950

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
9-10	Bacteriology	Physiology	Physiology	Pharmacology	Physiology	Physiology		
10-11	Pharmacology		Bacteriology		Pharmacology		Bacteriology	
11-12						Bacteriology		
12-1								
1-2								
2-3	Bacteriology	Physiology	Free	Bacteriology	Bacteriology			
3-4								
4-5								

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Pathology	Pathology	Pathology	Pathology	Pathology
10-11						
11-12						
12-1						
1-2						
2-3	Public Health	Physical Diagnosis	Free	Physical Diagnosis	Psychiatry	
3-4						
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Physical Diag. "A" Neurol. Diag. IV	Pathology	Physical Diag. "B" Neurol. Diag. I	Physical Diag. "A" Neurol. Diag. III	Physical Diag. "B" Neurol. Diag. II	Pathology
10-11						
11-12						
12-1	Appl. Pharm.	Appl. Pharm.	Introductory Medicine	Neurology	Introductory Medicine	
1-2						
2-3	Clinical Pathology	Clinical Pathology	Free	Introductory Surgery	Clinical Pathology	
3-4						
4-5	Ophthalmology			Radiology	Ophthalmology	

## THE MEDICAL COLLEGE

## THIRD YEAR SCHEDULE

1949-1950

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Group A Medicine (1), Surgery (2), Ob-Gyn, Ped, Psych, Pb Hl. (3)					
10-11	Group B Surgery (1), Ob-Gyn, Ped., Psych, Pb. Hl. (2) Medicine (3)					
11-12	Group C Ob-Gyn, Ped., Psych, Pb-Hl. (1) Medicine (2), Surgery (3)					
12-1	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb. Hl.	Ob-Gyn.
1-2						
2-3						
3-4			Free			
4-5	C.P.C.					

DETAILED SCHEDULE - HALF TERM (5½ WEEKS)  
PEDIATRICS

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Ob-Gyn.	Pediatrics				
10-11						
11-12						
12-1	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb.-Hl.	Ob.-Gyn.
1-2						
2-3						
3-4		Pediatrics	Free	Pediatrics		
4-5	C.P.C.					

DETAILED SCHEDULE - HALF TERM (5½ WEEKS)  
OBSTETRICS AND GYNECOLOGY, PSYCHIATRY,  
PUBLIC HEALTH, CONTAGIOUS DISEASES

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Ob.-Gyn.	Ob.-Gyn.	Contag. Diseases	Ob.-Gyn.	Pb. Hl.	Free
10-11						
11-12						
12-1	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb.-Hl.	Ob.-Gyn.
1-2						
2-3						
3-4		Psychiatry	Free	Psychiatry	Pb. Hl.	
4-5	C.P.C.					

## FOURTH YEAR SCHEDULE

### 1949-1950

Five terms 8 weeks each July 11 to June 14

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-12	Group A—Med. (1); Surg. (2); Ob-Gyn. (3); Ped., Psy., Elect. (4); Elect. (5) Group B—Surg. (1); Ob-Gyn. (2); Ped., Psy., Elect. (3); Elect. (4); Med. (5) Group C—Ob-Gyn. (1); Ped., Psy., Elect. (2); Med. (3); Med. (4); Surg. (5) Group D—Ped., Psy., Elect. (1); Elect. (2); Med. (3); Surg. (4); Ob-Gyn. (5) Group E—Elect. (1); Med. (2); Surg. (3); Ob-Gyn. (4); Ped., Psy., Elect. (5)					
12-1	Psychiatry*	Pb. Hl.	Med.-Ped. (1)			
2-5			Free			

### DETAILED SCHEDULE PEDIATRICS, PSYCHIATRY, ELECTIVES

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-12	Pediatrics <sup>2</sup> or Electives	Electives	Pediatrics <sup>2</sup> or Electives	Electives	Pediatrics <sup>2</sup> or Electives	Electives
12-1	Psychiatry*	Pb. Hl.	Med.-Ped. <sup>1</sup>			
2-5	Psychiatry <sup>3</sup>	Electives	Free	Psychiatry <sup>3</sup>	Electives	

### ELECTIVES

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-12	Electives					
12-1	Psychiatry*	Pb. Hl.	Med.-Ped. <sup>1</sup>			
2-5	Electives		Free	Electives		

<sup>1</sup>Eleven sessions each of Medicine and Pediatrics.

<sup>2</sup>One half of the group takes Pediatrics for one month and Electives for other month.

<sup>3</sup>Entire group takes Psychiatry Mondays and Thursdays for two months.

\*Lectures 12-1, Mon., Tues., and Wed. not given summer term.



# *Internship Appointments, Class of 1949*

## DOCTORS OF MEDICINE, JUNE 15, 1949

Joan Kay Barber	New York Hospital, New York, N. Y.
Arthur William Bauman	Strong Memorial Hospital, Rochester, N. Y.
John Arthur Bell	Bellevue Hospital, New York, N. Y.
Abraham Blumer	Grace Memorial Hospital, Detroit, Mich.
Isabelle Greer Boggs	Pittsburgh Medical Center, Pittsburgh, Pa.
Ruth Hennessey Bowe	St. Vincent's Hospital, New York, N. Y.
Agnes Sanxay Burt	Massachusetts General Hospital, Boston, Mass.
Edith Lawrence Carrier	New Britain General Hospital, New Britain, Conn.
Sumner Arthur Cheeseman	
	Percy Jones General Hospital, U. S. Army, Battle Creek, Mich.
Chia-I Cheng	Bellevue Hospital, New York, N. Y.
Ferris Edward Cooke, Jr.	
	Letterman General Hospital, U. S. Army, San Francisco, Calif.
John Thomas Craighead	Bellevue Hospital, New York, N. Y.
Daniel LeRoy Crandell	New Haven Hospital, New Haven, Conn.
Robert Bruce Cubberley	Brooklyn Hospital, Brooklyn, N. Y.
Dominick Daniel Davolos	Philadelphia General Hospital, Philadelphia, Pa.
Robert Hall Dickson	Brooklyn Hospital, Brooklyn, N. Y.
Thomas Leonard Doyle, Jr.	St. Vincent's Hospital, New York, N. Y.
James Armstrong Duncan, Jr.	Grasslands Hospital, Valhalla, N. Y.
Norman Epstein	Springfield Hospital, Springfield, Mass.
Harold Warren Evans	Strong Memorial Hospital, Rochester, N. Y.
Robert E. Felix	Presbyterian Hospital, Chicago, Ill.
Richard Haviland Flandreau	New York Hospital, New York, N. Y.
William Hurd Floyd, Jr.	Lenox Hill Hospital, New York, N. Y.
Janet Carolyn Gerig	Bellevue Hospital, New York, N. Y.
James Gilmore	Robert Packer Hospital, Sayre, Pa.
Glenn Gale Golloway	Post-Graduate Hospital, New York, N. Y.
Melvin Bernard Goodman	Fordham Hospital, New York, N. Y.
Ledford Gerald Gregory	St. Luke's Hospital, New York, N. Y.
Robert Johns Haggerty	Strong Memorial Hospital, Rochester, N. Y.
Ben King Harned, Jr.	Roosevelt Hospital, New York, N. Y.
Earle Avery Herbert	Wilkes-Barre Hospital, Wilkes-Barre, Pa.
Robert James Herm	Mary Hitchcock Memorial Hospital, Hanover, N. H.
Jean Schmidlapp Humes	No Internship Wanted.
Hugh Alwyn Inness-Brown, Jr.	Genesee Hospital, Rochester, N. Y.
Robert John King	Madigan General Hospital, U. S. Army, Fort Lewis, Wash.
Donald Edward Lawson	Sacramento County Hospital, Sacramento, Calif.
Ray Lewis	City Hospital, New York, N. Y.

Drury McMillan Love	Hermann Hospital, Houston, Texas
James Andrew Lundquist	Swedish Hospital, Minneapolis, Minn.
William Peter McCann	Barnes Hospital, St. Louis, Mo.
John Joseph McCormick	Hartford Hospital, Hartford, Conn.
Julian MarDock	Baylor University Hospital, Dallas, Texas
Sanford John Matthews	New York Hospital, New York, N. Y.
Robert Anthony Mayers	Kings County Hospital, Brooklyn, N. Y.
Bernard Joseph Michela	University of Minnesota Hospital, Minneapolis, Minn.
Harry Louis Mueller, Jr.	Rhode Island Hospital, Providence, R. I.
Samuel Jacob Newman	Kings County Hospital, Brooklyn, N. Y.
Margaret Swann Norris	Knickerbocker Hospital, New York, N. Y.
Peter Francis Regan, III	New York Hospital, New York, N. Y.
Dorothy Helen Rieser	Bellevue Hospital, New York, N. Y.
Peter Rogatz	Lenox Hill Hospital, New York, N. Y.
John Grove Rogers	Pennsylvania Hospital, Philadelphia, Pa.
Wayne Spitz Rogers	Kings County Hospital, Brooklyn, N. Y.
Samuel Marcus Schlyen	Hospital for Joint Diseases, New York, N. Y.
Alan Dale Shafer	University of California Hospital, San Francisco, Calif.
Lester Dunlap Shultis	Wesley Memorial Hospital, Chicago, Ill.
Barbara Foster Simpson	Strong Memorial Hospital, Rochester, N. Y.
Frances Capron Smith	Bellevue Hospital, New York, N. Y.
Ross Baker Sommer	Barnes Hospital, St. Louis, Mo.
David Howard Sonabend	Brooklyn Jewish Hospital, Brooklyn, N. Y.
Alfred Robert Stumpe	Charlotte Memorial Hospital, Charlotte, N. C.
Richard Walter Stypula	Allegheny Hospital, Pittsburgh, Pa.
William Joseph Sweeney, III	New York Hospital, New York, N. Y.
James Francis Toole	University of Pennsylvania Hospital, Philadelphia, Pa.
Stewart Gould Tuttle	Good Samaritan Hospital, Los Angeles, Calif.
Clinton George Weiman	New York Hospital, New York, N. Y.
Edmund Thomas Welch, Jr.	Hartford Hospital, Hartford, Conn.
Frederick Hunt Wentworth	New York Hospital, New York, N. Y.
David Harold Williams	St. Luke's Hospital, Cleveland, Ohio

# Students, 1949-1950

## FOURTH YEAR

Jean Helen Abel, A.B., 1947, Barnard College	Elizabeth, N. J.
Bernard Amster, A.B., 1943, Columbia University	Crewe, Va.
Richard Cleland Austin, A.B., 1946, St. Lawrence University	Montclair, N. J.
David Barr, A.B., 1947, Cornell University	New York, N. Y.
Donald Francis Bartley, B.S., 1943, Lebanon Valley College	Harrisburg, Pa.
Jules Alan Berkenfield, A.B., 1946, Cornell University	Far Rockaway, N. Y.
Charles Herbert Bippart, Jr., A.B., 1946, Wesleyan University	South Orange, N. Y.
Arnold Stewart Breakey, A.B., 1946, Colgate University	Larchmont, N. Y.
Francis Edgar Browning, B.S., 1946, St. Lawrence University	Utica, N. Y.
Malcolm Waite Bulmer, A.B., 1946, University of Michigan	Pittsburgh, Pa.
Robert Hyrum Burgoyne, B.S., 1942, Utah State Agricultural College	Montpelier, Idaho
Sarah Alice Burton, A.B., 1946, Wells College	Montclair, N. J.
Richard Henry Cardozo, A.B., 1942, Dartmouth College	New York, N. Y.
Eric Theodore Carlson, A.B., 1944, Wesleyan University	Norwich, Conn.
Leon Irvin Charash, A.B., 1947, Cornell University	Irvington, N. J.
Robert Leslie Clarke, A.B., 1946, Bowdoin College	Scarsdale, N. Y.
Alfred Donaldson Compton, Jr., A.B., 1934, Princeton University, M.S., 1941, Yale University	New York, N. Y.
Floyd Shovington Cornelison, Jr., A.B., 1939, Baylor University	San Angelo, Texas
George Nelson Cornell, Cornell University	Pelham, N. Y.
John Alfred Crago, A.B., 1939, M.S., 1940, University of Florida	Gainesville, Fla.
Margaret Nicholls Dealy, A. B., 1945, Mt. Holyoke College	Plandome, N. Y.
Charles Alexander de Prose, A.B., 1946, Cornell University	Hastings-on-Hudson, N. Y.
Carolyn Helen Diehl, A.B., 1946, Cornell University	Cohoes, N. Y.
John Eldredge Stearns Dockweiler, B.S., 1945, University of Notre Dame	Los Angeles, Calif.
Heinz Felix Eichenwald, A.B., 1946, Harvard University	New York, N. Y.
Martin Jay Evans, A.B., 1946, Cornell University	New York, N. Y.
Selig Moses Ginsburg, A.B., 1946, University of Wisconsin	New York, N. Y.
James Bartley Given, Princeton University	Scarsdale, N. Y.
William Goldfarb, A.B., 1933, Brooklyn College, M.S., 1934, College of the City of New York, Ph.D., 1940, Columbia University	New York, N. Y.
Edward Ira Goldsmith, A.B., 1947, Cornell University	Far Rockaway, N. Y.
Robert Walton Greenwood, University of Rochester	Washington, D. C.
Warren Redwood Guild, Harvard University	West Roxbury, Mass.
Robert Clinton Hafford, A.B., 1947, Wesleyan University	Glen Rock, N. J.
Irving Edward Hall, Jr., Mercer University	Macon, Ga.
Harry Martin Helfrich, St. Lawrence University	Akron, Ohio
Nancy Rankin Helfrich, A.B., 1946, Wellesley College	Akron, Ohio
Marjorie Frances Helgans, A.B., Cornell University	Jersey City, N. J.
William Carroll Hollis, A.B., 1946, Cornell University	Forest Hills, N. Y.
Dean Gordon Hudson, B.S., 1946, University of Washington	Port Townsend, Wash.

- William Warner Jepson, A.B., 1947, Swarthmore College  
 Sigurd Edward Johnsen, Ph.B., 1945, University of Chicago  
 James Sutherland Johnston, Wesleyan University  
 Arthur Sayre McLellan, Colgate University  
 Dorothy Jane McManus, A.B., 1945, Cornell University  
 Henry Matthew Mannix, B.S., 1947, Holy Cross College  
 Ruth Rhoda Marcus, A.B., 1946, Cornell University  
 Leopoldo Enrique Margarida, A.B., 1947, Cornell University  
 Emilina Aguinaldo Melencio, University of the Philippines  
 Kenneth Henning Meyer, B.S., 1941, Westminster College  
 Frederick Michael Mitchell, A.B., 1946, Wesleyan University  
 Francis Xavier Moffitt, A.B., 1942, Fordham University  
 Eugene Thomas Monahan, A.B., 1947, Wesleyan University  
 Bertha Loving Moore, A.B., 1934, Flora McDonald College  
 John de La Salle Morris, B.S., 1939, M.S., 1941,  
 Fordham University  
 Walter Ridgway Neill, B.S., 1943, Millsaps College  
 Joseph Louis O'Brien, Princeton University  
 William John O'Hare, Fordham University  
 Francis Salvatore Perrone, Columbia University  
 Sidney Morse Pond, A.B., 1941, Wesleyan University  
 William Clayton Porter, Jr., Princeton University  
 Robert Heywood Purnell, A.B., 1945, Dartmouth College  
 Saverio Frank Redo, B.S., 1942, Queens College  
 Peter Richter, A.B., 1947, Yale University  
 Joan Elvere Rider, A.B., 1946, Cornell University  
 Donald Scott Robertson, A.B., 1942, Princeton University  
 Alan Saul Robinson, Cornell University  
 Albert Louis Rubin, Massachusetts Institute of Technology  
 George Bate Saviers, A.B., 1940, University of California  
 Craig Neelands Smith, A.B., 1946, University of Virginia  
 John Fisk Stockfish, A.B., 1947, Cornell University  
 Hartwell Greene Thompson, Jr., A.B., 1946, Yale University  
 Willard Chandler Thompson, Jr., B.S., 1947,  
 Rutgers University  
 Claude Wilkes Trapp, Jr., B.S., 1943, University of the South  
 Robert Phillips Vomacka, B.S., 1941, Wagner College  
 Mason Whitmore, A.B., 1940, Yale University  
 Charles Rockwell Williams, A.B., 1941, Wesleyan University,  
 M.S., 1942, Yale University  
 William Allen Winslow, A.B., 1938, Wesleyan University  
 Francis Assmann Wood, B.S., 1947, Yale University
- Minneapolis, Minn.  
 Upper Montclair, N. J.  
 Middletown, Conn.  
 East Orange, N. J.  
 New York, N. Y.  
 Brooklyn, N. Y.  
 New York, N. Y.  
 Comerio, Puerto Rico  
 Manila, Philippines  
 Wellston, Ohio  
 Buffalo, N. Y.  
 Jackson Heights, N. Y.  
 Wilmington, Del.  
 Washington, D. C.  
 New York, N. Y.  
 Ellisville, Miss.  
 Paterson, N. J.  
 New York, N. Y.  
 New York, N. Y.  
 Easthampton, Mass.  
 Pittsburgh, Pa.  
 Short Hills, N.J.  
 Springfield Gardens, N. Y.  
 New York, N. Y.  
 Brooklyn, N. Y.  
 Englewood, N. J.  
 Maplewood, N. J.  
 Framingham, Mass.  
 Twin Falls, Idaho  
 Riverdale, N. Y.  
 Jersey City, N. J.  
 West Hartford, Conn.  
 New Brunswick, N. J.  
 Lexington, Ky.  
 New York, N. Y.  
 State College, Pa.  
 Hamden, Conn.  
 New York, N. Y.  
 Newark, N. J.

## THIRD YEAR

- Robert Churchill Ackles, B.S., 1947, Holy Cross  
 James Davis Allan, A.B., 1947, Cornell University  
 Robert Bedzofsky Beede, A.B., 1943, Cornell University  
 Herbert Van Wie Bergamini, B.Aero.E., 1945,  
 Rensselaer Polytechnic Institute  
 Stanley Jack Birnbaum, B.S., 1942, Queens College  
 Albert James Blair, Jr., A.B., 1946, Amherst College  
 Peter Albert Bossart, A.B., 1947, Muhlenberg College  
 Warren Samuel Braveman, A.B., 1947, Brooklyn College
- Elmira, N. Y.  
 Arlington, N. J.  
 Utica, N. Y.  
 Lake Placid, N. Y.  
 New York, N. Y.  
 New York, N. Y.  
 Union City, N. J.  
 New York, N. Y.

Andrew Derick Bulkley, A.B., 1943, Princeton University  
 David Sidney Burgoyne, Utah State Agricultural College  
 Robert Walter Burroughs, A.B., 1947, Bowdoin College  
 George Henry Carman, A.B., 1948, Cornell University  
 Nancy Jane Cole, A.B., 1937, Missouri University,  
   M.N., 1940, Yale University  
 Harry Calvin Cramer, Jr., University of Wisconsin  
 Robert Harry Curtis, B.S., 1944, United States Naval Academy  
 Elmer William Davis, Jr., A.B., 1947, Wesleyan University  
 Grayson Brown Davis, A.B., 1939, Asbury College  
 Herbert Alexander Davis, B.S., 1947, University of Wisconsin  
 Elisabeth Burnett Decker, A.B., 1947, University of Richmond  
 Lawrence Mance Ervin, B.S., 1946, College of the City of New York  
 Frederic Marsee Evans, A.B., 1947, Cornell College (Iowa)  
 Floyd Howard Farrant, A.B., 1947, Dartmouth College  
 Esther Margaret Fincher, A.B., 1948, Cornell University  
 Frederic Francis Flach, A.B., 1947, St. Peter's College  
 Jack Milton Gershberg, A.B., 1948, Cornell University  
 Hyman Louis Gildenhorn, B.S., 1943, M.S., 1947,  
   Ohio State University  
 James Graham Gray, A.B., 1947, Williams College  
 Reuben William Griffith, Jr., B.S., 1947, Millsaps College  
 Philip Sidney Herbert, Jr., A.B., 1947, Cornell University  
 Robert Louis Hirsch, A.B., 1947, Cornell University  
 Henry Lyman Hood, B.S., 1943, Cornell University  
 John Leroy Howard, A.B., 1947, Princeton University  
 Peter Theodore Janulis, A.B., 1948, Cornell University  
 William Huckel Jeffreys, A.B., 1948, Cornell University  
 Anne Bradstreet Johnson, A.B., 1948, Cornell University  
 George Thomas Kiss, A.A., 1947, Princeton University  
 William Frederick Klinkerfuss, A.B., 1947, Cornell University  
 Alfred Walter Kopf, A.B., 1948, Cornell University  
 Oscar Rogers Kruesi, B.S., 1947, Union College  
 Edith Anne Lechner, A.B., Connecticut College for Women  
 Allan Maxwell Levy, A.B., 1947, Columbia University  
 Harold Venable Liddle, A.B., 1947, Williams College  
 Roger Potter Lochhead, A.B., 1949, Dartmouth College  
 Howard Charles Lucas, B.S., 1947, University of Florida  
 Walter Leonard Lynn, Jr., A.B., 1949, Kenyon College  
 John Henry McArdle, A.B., 1947, Harvard University  
 Ian MacKinnon, A.B., 1949, Dartmouth College  
 Thomas Arthur McGraw, A.B., 1944, Yale University  
 Robert Joseph McKenna, B.S., 1947,  
   Massachusetts Institute of Technology  
 Roy Wright Menninger, A.B., 1947, Swarthmore College  
 Patrick Joseph Mulrow, A.B., 1947, Colgate University  
 Earl Addis Munyan, Jr., A.B., 1947, Princeton University  
 Emil Neibart, University of Wisconsin  
 Dewey Allen Nelson, A.B., 1948, Cornell University  
 Philip Andrew Nichols, A.B., 1947, Cornell University  
 Avrum Bernard Organick, B.S., 1947,  
   College of the City of New York  
 Walter Matthew Palmer, Jr., A.B., 1947, Harvard University  
 James Hutcheon Pert, A.B., 1947, Dartmouth College  
 George Burton Pugh, Lafayette College

North Salem, N. Y.  
 Montpelier, Idaho  
 Arlington, Va.  
 Binghamton, N. Y.

New York, N. Y.  
 Freeport, Ill.  
 New York, N. Y.  
 Girard, Ohio  
 Kansas City, Mo.  
 Verona, Wis.  
 White Plains, N. Y.  
 New York, N. Y.  
 Birmingham, Ala.  
 Teaneck, N. J.  
 Ithaca, N. Y.  
 Elizabeth, N. J.  
 Brooklyn, N. Y.

Cleveland, Ohio  
 Pelham, N. Y.  
 Jackson, Miss.  
 South Orange, N. J.  
 Brooklyn, N. Y.  
 Lakeport, N. H.  
 New York, N. Y.  
 Maplewood, N. J.  
 Utica, N. Y.  
 Cambridge, Mass.  
 Woodhaven, N. Y.  
 Bronxville, N. Y.  
 Buffalo, N. Y.  
 Schenectady, N. Y.  
 Montoursville, Pa.  
 Saranac Lake, N. Y.  
 Cincinnati, Ohio  
 Montclair, N. J.  
 Winter Haven, Fla.  
 Forest Hills, N. Y.  
 Watertown, Mass.  
 Bronxville, N. Y.  
 Grosse Pointe, Mich.

Winchester, Mass.  
 Topeka, Kansas  
 New York, N. Y.  
 Wellesley Farms, Mass.  
 Irvington, N. J.  
 Baton Rouge, La.  
 Owego, N. Y.  
 New York, N. Y.  
 Hollis, N. Y.  
 Tenafly, N. J.  
 Youngstown, Ohio

George Freeland Pugh, Jr., A.B., 1947, West Virginia University	Terra Alta, W. Va.
Donn Richard Quinn, A. B., 1946, Cornell University	Pelham, N. Y.
Sanford Maxwell Reiss, A. B., 1947, Cornell University	New York, N. Y.
Carol Remmer, Wellesley College	Oakdale, N. Y.
Douglas James Roberts, Jr., Wesleyan University	Rockville, Conn.
Kenneth Roth, A.B., 1946, New York University	Lawrence, N. Y.
John Joseph Rousseau, B.S., 1946, University of North Dakota	Crosby, N. D.
Theodore John Rusnack, A.B., 1943, Fordham University	Yonkers, N. Y.
Edwin Philip Russell, Jr., Cornell University	Rome, N. Y.
George Adam Simpson, A.B., 1942, Dartmouth College	Hanover, N. H.
Jay Brady Skelton, A.B., 1947, Wesleyan University	Riverside, Conn.
Lyle Richardson Smith, B.S., 1946, Beloit College	Pleasant Hill, Tenn.
Elizabeth Howard Sprague, A.B., 1946, Vassar College	Chestnut Hill, Mass.
James Hawley Stephenson, Cornell University	New York, N. Y.
Jack Frederic Stuart, B.S., 1944, University of Miami	Coral Gables, Fla.
Walter James Sullivan, B.S., 1946, Manhattan College	New York, N. Y.
Edward Bruce Swain, University of Kansas	Winner, S. D.
Kenneth Stryker Thomson, B.S., 1947, Rutgers University	Middlebush, N. J.
William Andrew Triebel, B. S., 1946, College of the City of New York	Woodhaven, N. Y.
Paul Richard vom Eigen, B.S., 1944, Cornell University	Irvington, N. J.
William Wait Ward, B.M.E., 1944, Cornell University	Golden's Bridge, N. Y.
Carl Wierum, B.S., 1945, Columbia University	Rockville Center, N. Y.
Mary Margaret Wilber, A.B., 1947, Wellesley College	Scarsdale, N. Y.
Robert Howard Wilkinson, A.B., 1947, Wesleyan University	West Hartford, Conn.
James Oscar Wynn, Jr., A.B., 1947, Cornell University	Syosset, N. Y.

## SECOND YEAR

Irwin Alan Almenoff, B.S., 1948, College of the City of New York	Brooklyn, N. Y.
Julius Joseph Baber, A.B., 1948, St. Peter's College	Jersey City, N. J.
John Hart Balise, A.B., 1948, Amherst College	Northampton, Mass.
Gerald Samuel Barad, A.B., 1947, Cornell University	New York, N. Y.
Elizabeth Barrows, A.B., 1948, Smith College	New York, N. Y.
John Weldon Bellville, A.B., 1948, Cornell University	Elmira, N. Y.
Irving Myron Blatt, Cornell University	New York, N. Y.
Louis Bove, A.B., 1948, Bowdoin College	Portland, Maine
Robert Jay Boyer, A.B., 1948, Oberlin College	Palisade, N. J.
John Wickliff Bromley, A.B., 1949, Cornell University	Jamaica, N. Y.
Norman Slingerland Buys, A.B., 1948, Cornell University	Canton, N. Y.
Arthur Stephen Carlson, A.B., 1941, Brooklyn College,	Brooklyn, N. Y.
John Michael Connolly, B.S., 1948, Fordham University	Port Washington, N. Y.
William Cooper, B.S., 1948, Queens College	Hollis, N. Y.
William Lloyd Craver, A.B., 1949, Cornell University	New York, N. Y.
Raymond Joseph Donovan, Manhattan College	Staten Island, N. Y.
Lester Mahan Felton, Jr., A.B., 1948, Dartmouth College	Worcester, Mass.
Peter Jay Fennel, B.S., 1948, Bowdoin College	South Portland, Maine
Charles Pennock Foote, Cornell University	Warsaw, N. Y.
George William Frimpter, A.B., 1948, Williams College	Haverstraw, N. Y.
James Clark Gammill, A.B., 1947, University of Illinois	Shelbyville, Tenn.
John Frank Gebhardt, B.S., 1948, Haverford College	Erie, Pa.
Thomas Aquinas Gilday, B.S., 1948, Mount Saint Mary's College	New York, N. Y.
Roy Glasgow Gill, A.B., 1937, University of Oklahoma, LL.B., 1940, Yale University	Okmulgee, Okla.

- David Goebel, A.B., 1947, Columbia University  
 Waldo Greenspan, B.S., 1944, Rutgers University  
 John Douglas Hallock, A.B., 1948, Cornell University  
 Leon Irving Hammer, A.B., 1948, Cornell University  
 Leston Laycock Havens, A.B., 1947, Williams College  
 William Norbert Hill, Jr., A.B., 1948, Wesleyan University  
 Russell Sherman Hoxsie, A.B., 1948, Wesleyan University  
 Joseph Kantor Indenbaum, A.B., 1948, Cornell University  
 William Arthur Jamison, A.B., 1948, Lafayette College  
 Theodore Inslee Jones, A.B., 1949, Cornell University  
 Martin David Keller, A.B., 1944, Yeshiva University,  
 M.S., 1946, Ph.D., 1949, New York University  
 Thomas Kilip, III, A.B., 1948, Swarthmore College  
 John Francis Kurtzke, B.S., 1948, St. John's University  
 John Rudolf Langstadt, B.S., 1948, Queens College  
 John Unger Lanman, A.B., 1948, Cornell University  
 Frederic William Lathrop, Jr., A.B., 1949, Cornell University  
 Robert Earl Lee, A.B., 1948, Colgate University  
 Robert Andrew Leibold, A.B., 1948, University of Missouri  
 Richard Lennihan, Jr., B.S., 1948, Harvard University  
 Roy Hilty Lucas, University of Florida  
 Franklin Bruce Merrill, A.B., 1948, Stanford University  
 James Lawrence Mertz, A.B., 1948, University of Colorado  
 John Andrew Mitchell, A.B., 1947, Williams College  
 Ralph Bryan Moore, Jr., A.B., 1948, Cornell University  
 David Marten Niceberg, A.B., 1948, Cornell University  
 Sterling Wallace Obenour, Jr., 1948, Ohio State University  
 Charles William Parton, Kenyon College  
 Russel Hugo Patterson, Jr., A.B., 1948, Stanford University  
 Walter Leon Peretz, A.B., 1947, Princeton University  
 Richard Earl Perkins, A.B., 1948, Cornell University  
 Clinton Burns Potter, A.B., 1948, Princeton University  
 Peter Peter Poulos, B.S., 1947, Massachusetts Institute of Technology  
 Arthur George Prangley, Jr., A.B., 1949, Cornell University  
 Ricardo Enrique Rengel, A.B., 1948, Cornell University  
 Philip Sloan Robbins, A.B., 1948, Cornell University  
 Burton Rubin, B.S., 1947, College of the City of New York  
 Herbert Simeon Sacks, A.B., 1948, Dickinson College  
 Willis Sanderson, B.S., 1948, Maryville College  
 Edwin Colby Sevringhaus, A.B., 1948, Swarthmore College  
 Lewis Shenker, B.S., 1948, University of Michigan  
 George Seamon Shields, B.S., 1948,  
 Massachusetts Institute of Technology  
 Stuart Robinson Silver, A.B., 1948, Dartmouth College  
 Peter Edwin Stokes, B.S., 1948, Trinity College  
 Frank Joseph Sullivan, A.B., 1948, Cornell University  
 Bernard Edwin Swanson, Colgate University  
 Frank Bell Throop, A.B., 1949, Cornell University  
 James David Van Doren, A.B., 1948, Cornell University  
 Alan Van Poznak, A.B., 1948, Cornell University  
 Robert Morris Wagner, University of Wyoming  
 Virginia Davidson Weeks, A.B., 1948, Vassar College  
 Richard Jay Weishaar, A.B., 1949,  
 Cornell University  
 Sidney Lee Werkman, A.B., 1948, Williams College  
 Yonkers, N. Y.  
 Perth Amboy, N. J.  
 Flushing, N. Y.  
 New York, N. Y.  
 Bridgehampton, N. Y.  
 Gales Ferry, Conn.  
 Auburndale, Mass.  
 New York, N. Y.  
 Bradley Beach, N. J.  
 Astoria, N. Y.  
 New York, N. Y.  
 Rochester, N. Y.  
 Laurelton, N. Y.  
 Flushing, N. Y.  
 Hammond, Ind.  
 Plainfield, N. J.  
 Woodmere, N. Y.  
 Queens Village, N. Y.  
 Perrysburg, Ohio  
 Winter Haven, Fla.  
 Ogden, Utah  
 Trinidad, Colo.  
 Newark, Ohio  
 Cattaraugus, N. Y.  
 Brooklyn, N. Y.  
 Zanesville, Ohio  
 Bronxville, N. Y.  
 New York, N. Y.  
 Newark, N. J.  
 Newark, N. Y.  
 Providence, R. I.  
 Newark, N. J.  
 Jackson Heights, N. Y.  
 San Juan, Puerto Rico  
 New Bedford, Mass.  
 Brooklyn, N. Y.  
 Elmhurst, N. Y.  
 Tuscaloosa, La.  
 Montclair, N. J.  
 Miami Beach, Fla.  
 Ridgewood, N. J.  
 Akron, Ohio  
 Haddon Heights, N. J.  
 Flushing, N. Y.  
 New Rochelle, N. Y.  
 Indianapolis, Ind.  
 Chaumont, N. Y.  
 Maplewood, N. J.  
 Laramie, Wyo.  
 Brooklyn, N. Y.  
 Grand View on the Hudson, N. Y.  
 Washington, D. C.



Robert Edward Wieche, A.B., 1948, Miami University	Hamilton, Ohio
Audrey Mary Wilkins, B.S., 1948, Carnegie Institute of Technology	Pittsburgh, Pa.
Bernard Arthur Yablin, A.B., 1948, Cornell University	Watertown, N. Y.
Herbert Ambrose Zaccheo, A.B., 1949, Cornell University	Kingston, N. Y.

## FIRST YEAR

Charles Peter Albright, A.B., 1949, Allegheny College	Alexandria, Va.
John Symington Aldridge, Cornell University	New York, N. Y.
Kenneth Collett Archibald, St. Lawrence University	White Plains, N. Y.
Frank Myrick Ash, A.B., 1949, Williams College	Ridgewood, N. Y.
Barbara Bates, A.B., 1949, Smith College	Auburn, N. Y.
Stephen Larmer Bennett, B.S., 1949, Queens College	Queens Village, N. Y.
Richard Harrod Blank, Emory University	Tampa, Fla.
David Myron Bloom, Cornell University	Binghamton, N. Y.
David Albert Blumenstock, B.S., 1949, Union College	South Orange, N. Y.
John Benjamin Branche, B.S., 1949, Queens College	Jamaica, N. Y.
Carl Hannibal Brennan, Jr., A.B., 1949, University of Maine	Bangor, Maine
Robert Woods Brown, A.B., 1949, De Pauw University	Elkhart, Ind.
Frederick William Campbell, A.B., 1949, Yale University	Grosse Pointe Farms, Mich.
David Ignatius Canavan, A.B., 1949, St. Peter's College	Ridgefield Park, N. J.
Arthur Chandler, Jr., Cornell University	Detroit, Mich.
George Tanner Conger, B.S., 1948, University of Akron	Akron, Ohio
Elizabeth Vasiliki Despina Coryllos, A.B., 1949, Barnard College	New York, N. Y.
Richard La Vern Dexter, B.S., 1949, Albright College	Wellsboro, Pa.
John Phillips Dorst, Pomona College	Cincinnati, Ohio
Robert Harrison Edwards, A.B., 1949, University of North Carolina	Scarsdale, N. Y.
James Milton Eglin, Jr., A.B., 1949, Princeton University	Glen Rock, N. J.
Harold Jay Ellner, Cornell University	New York, N. Y.
Ames Lawrence Filippone, Jr., Cornell University	Newark, N. J.
Marvin Irving Fox, A.B., 1948, Cornell University; M.S. 1949, University of Chicago	Brooklyn, N. Y.
Julia Louise Freitag, A.B., 1949, Cornell University	Hope Farm, N. Y.
Catherine Bradford Friedrich, A.B., 1949, Cornell University	Red Wing, Minn.
George Ripley Fuller, Swarthmore College	Scarsdale, N. Y.
John Donald Gallagher, B.S., 1949, Fordham College	Queens Village, N. Y.
Aaron Ganz, A.B., 1949, New York University	Brooklyn, N. Y.
Robert DeForest Gens, A.B., 1949, Hamilton College	Floral Park, N. Y.
Stanley Erwin Goodman, B.S., 1947, Trinity College, M.S., 1949, University of Pennsylvania	Norwalk, Conn.
Alwyn Hershaw Granady, B.S., 1948, Howard University	New York, N. Y.
William Anthony Grattan, B.S., 1949, Union College	Grafton, N. Y.
Robert Sherman Grayson, Cornell University	Harrison, N. J.
Richard Stuart Green, A.B., 1949, Swarthmore College	Flushing, N. Y.
Whitney Eastman Greene, Jr., A.B., 1949, Brown University	Dover, Mass.
Ward Orin Griffen, Jr., A.B., 1948, Princeton University	Pelham Manor, N. Y.
Peter Daniel Guggenheim, A.B., 1949, Cornell University	Islip, N. Y.
Charles Lee Heiskell, Jr., B.S., 1947, The Citadel	Charleston, S. C.
William Howard Hover, A.B., 1949, Cornell University	Montclair, N. J.
Richard Hills James, B.S., 1949, Columbia University	Pelham, N. Y.
Ira Hartley Kaufman, A.B., 1949, Cornell University	New York, N. Y.
William Thomas Kelly, A.B., 1949, Cornell University	Ithaca, N. Y.
Calvin Murray Kunin, A.B., 1949, Columbia University	Brooklyn, N. Y.
James Mendon Ludwig, Cornell University	Binghamton, N. Y.

Milton Norman Luria, A.B., 1949, Cornell University	Plattsburg, N. Y.
Robert Emmet McCabe, Jr., A.B., 1948, Williams College	Charleston, W. Va.
John Paul McCreary, Cornell University	Poland, Ohio
Charles Wright MacMillan, Jr., Cornell University	Upper Montclair, N. J.
Peter Raoul Mahrer, B.S., 1949, Brooklyn College	New York, N. Y.
Charles Anthony Malone, A.B., 1949, Oberlin College	New York, N. Y.
Richard Francis Mattingly, A.B., 1949, Ohio State University	Zanesville, Ohio
Allen Walter Mead, B.S., 1949, Davidson College	Florence, S. C.
Paul Gerald Meredith, A.B., 1943, Rollins College; B.S., 1949, Muhlenberg College	Parkersburg, W. Va.
Alice Mae Monroe, A.B., 1942, Brooklyn College; B.S., 1946, Cornell University	Brooklyn, N. Y.
Thomas Spurr Morse, Cornell University	Richmond, Mass.
Jay Richard Olsen, B.S., 1949, Idaho State College	Pocatello, Idaho
Robert Heyde Orth, A.B., 1949, Hamilton College	Greenwich, Conn.
Charles Wellington Pearce, Rice Institute	Ballinger, Texas
Joseph Edward Plataras, B.S., 1949, Manhattan College	Lynbrook, N. Y.
Richard Fleming Porter, A.B., 1949, University of Kansas	Concordia, Kansas
Arnold Henry Randell, Jr., A.B., 1949, Kenyon College	Niles, Ohio
John Mark Ravage, Cornell University	Bethesda, Md.
James Leon Reichard, B.S., 1949, Franklin & Marshall	York, Pa.
Jack Richard, Cornell University	Yonkers, N. Y.
William Kay Riker, A.B., 1949, Columbia University	New York, N. Y.
Harlan David Root, Cornell University	Riders Mills, N. Y.
Henry George Schmidt, Jr., Duke University	East Orange, N. J.
Abraham Isaac Schweid, Cornell University	New York, N. Y.
Richard Tobias Silver, Cornell University	Lake Mahopac, N. Y.
Gerald Murray Silverman, Cornell University	Forest Hills, N. Y.
Paul Albert Skudder, A.B., 1949, Middlebury College	New Rochelle, N. Y.
David Elliott Sobel, A.B., 1949, University of North Carolina	New York, N. Y.
Charles Albert Stevens, Jr., A.B., 1949, Cornell University	Westfield, N. J.
Philip Tager, A.B., 1949, Cornell University	New York, N. Y.
Thomas Lee Taylor, B.S., 1949, University of Maryland	Baltimore, Md.
Paul Richard Thornfeldt, A.B., 1949, Montana State University	Helena, Mont.
Kenneth Frederick Tucker, B.S., 1949, Columbia University	Brooklyn, N. Y.
Clifford Hohnholt Urban, A.B., 1949, Columbia University	Astoria, N. Y.
Heinz Valtin, A.B., 1949, Swarthmore College	Washington, D. C.
Richard Paul Wagner, A.B., 1949, Cornell University	Hurley, N. Y.
Richard Wellman, A.B., 1949, Cornell University	New York, N. Y.
Florence Arlene Wilson, A.B., 1949, Cornell University	Binghamton, N. Y.
Edward Albert Wolfson, A.B., 1948, Cornell University	East Paterson, N. J.

## SUMMARY

Fourth year .....	78
Third year .....	84
Second year .....	80
First year .....	84
Total .....	326

# STUDENTS MATRICULATED IN THE GRADUATE SCHOOL

1948-1949

## DOCTORS OF PHILOSOPHY

- |  |                 |
|--|-----------------|
| Martha F. Ferger, A.B., 1944, Swarthmore College;<br>Ph.D., 1949, Cornell University           | New York, N. Y. |
| Chester W. H. Partridge, B.S., 1942, University of Vermont;<br>Ph.D., 1949, Cornell University | Burlington, Vt. |

## MASTERS OF SCIENCE

- |  |                 |
|--|-----------------|
| Harris Rosenkrantz, A.B., 1943, Brooklyn College; M.S., 1946,<br>New York University; M.S., 1948, Cornell University | Brooklyn, N. Y. |
| Alice M. Stoll, A.B., 1938, Hunter College;<br>M.S., 1948, Cornell University  | New York, N. Y. |

## CANDIDATES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

- |   |                    |
|---|--------------------|
| Irving Abrahams, B.S., 1934, College of the City of New York  | Pearl River, N. Y. |
| Daniel Alvarez, Jr., A.B., 1943, Camaguey College;<br>B.S., 1943, Havana University                           | Havana, Cuba       |
| Donald A. Clarke, B.S., 1937, Philadelphia College of Pharmacy<br>and Science; M.S., 1946, Cornell University | New York, N. Y.    |
| Murray Finkelstein, B.S., 1940, M.S., 1941, Philadelphia College<br>of Pharmacy and Science                   | New York, N. Y.    |
| Ruth S. Hare, A.B., 1936, Vassar College  | New York, N. Y.    |
| Morton W. Huber, A.B., 1947, M.A., 1948, Johns Hopkins University   | Baltimore, Md.     |
| Doyle Joslin, A.B., 1917, Colorado College; M.D., 1921,<br>Harvard University Medical School                  | New York, N. Y.    |
| Henry A. Spies, B.S., 1948, East Texas State Teachers College   | Bonham, Tex.       |

## CANDIDATES FOR THE DEGREE OF MASTER OF SCIENCE

- |   |                     |
|---|---------------------|
| F. David Anderson, A.B., 1948, Westminster College    | Duncan, Okla.       |
| Frances L. Brewer, B.S., 1947, McGill University      | Montreal, Quebec    |
| Milton Brothers, A.B., 1948, Cornell University       | Belle Harbor, N. Y. |
| Charles E. Kapros, B.S., 1942, Long Island University | New York, N. Y.     |
| Joseph Wagner, B.S., 1948, Queens College             | Woodside, N. Y.     |

## NON-CANDIDATE

- |  |                 |
|--|-----------------|
| William H. Horner, M.D., 1947, Western Reserve University<br>Medical College | Pittsburgh, Pa. |
|--|-----------------|

# *The Medical College Staff*

Abbot, Frank K. . . . .	Medicine. . . . .	54
Adair, Frank E. . . . .	Surgery. . . . .	78
Adams, Chester H. . . . .	Medicine. . . . .	54
Adams, Elizabeth. . . . .	Medicine. . . . .	52
Adams, Harold B. . . . .	Pediatrics. . . . .	64
Akelaitis, Andrew J. . . . .	Medicine (Neurology). . . . .	51
Allen, Edward B. . . . .	Psychiatry. . . . .	70
Almy, Thomas P. . . . .	Medicine. . . . .	51
Anderson, Arthur F. . . . .	Pediatrics. . . . .	64
Andre, Rose. . . . .	Surgery. . . . .	80
Andrews, William C. . . . .	Obstetrics & Gynecology. . . . .	59
Andrus, William De W. . . . .	Surgery. . . . .	78
Antoville, Abraham A. . . . .	Medicine. . . . .	52
Applebaum, Jacob. . . . .	Surgery. . . . .	79
Armistead, George C., Jr. . . . .	Medicine. . . . .	52
Artusio, Joseph F., Jr. . . . .	Surgery. . . . .	78
Atkinson, Sam C. . . . .	Medicine. . . . .	54
Avery, John S. . . . .	Medicine. . . . .	54
Ayres, William H. . . . .	Surgery. . . . .	79
Baez, Silvio. . . . .	Medicine. . . . .	52
Baldwin, Horace S. . . . .	Medicine. . . . .	51
Balensweig, Irvin. . . . .	Surgery (Orthopedics). . . . .	78
Ball, Robert P. . . . .	Radiology. . . . .	76
Ball, Thomas L. . . . .	Obstetrics & Gynecology. . . . .	59
Baras, Irving. . . . .	Surgery. . . . .	80
Barbu, Valer. . . . .	Psychiatry. . . . .	70
Barish, Julian I. . . . .	Psychiatry. . . . .	70
Barnes, William A. . . . .	Surgery. . . . .	78
Barnett, Henry L. . . . .	Pediatrics. . . . .	64
Barr, David P. . . . .	Medicine. . . . .	51
Baumgartner, Leona. . . . .	Pub. Hl. & Prev. Med.; Pediatrics. . . . .	73, 64
Berhrman, Stanley J. . . . .	Surgery. . . . .	79
Belcher, Anne S. . . . .	Surgery. . . . .	79
Bennett, Hugh. . . . .	Medicine. . . . .	54
Berenberg, Samuel R. . . . .	Pub. Hl. & Prev. Med; Pediatrics. . . . .	73, 64
Berkeley, Ruth P. . . . .	Medicine. . . . .	52
Berkeley, William T. . . . .	Surgery. . . . .	79
Berle, Beatrice. . . . .	Medicine. . . . .	52
Berliner, Milton L. . . . .	Surgery (Ophthalmology). . . . .	78
Berntsen, Carl, Jr. . . . .	Pathology. . . . .	62
Berry, Charles. . . . .	Anatomy. . . . .	46
Beyer, John A. . . . .	Medicine. . . . .	54
Billo, Otto E. . . . .	Pediatrics. . . . .	64
Binger, Carl A. . . . .	Psychiatry. . . . .	70
Bird, Robert M. . . . .	Physiology; Medicine. . . . .	68, 52

Bleuler, Manfred	Psychiatry	71
Bodansky, Oscar	Pharmacology	66
Bogdonoff, Morton D.	Medicine	54
Bolanos, Rodolfos	Surgery	80
Bond, Lucille M.	Radiology	76
Bonnett, Sara A.	Psychiatry	70
Bonsnes, Roy W.	Biochemistry; Obs-Gyn.	49, 59
Bousquet, Franklyn O.	Surgery	80
Bowe, John J.	Surgery	80
Boyd, James W.	Surgery	80
Braunstein, Paul W.	Surgery	80
Brodman, Keeve	Medicine	52
Brown, George B.	Biochemistry	49
Brown, Veronica C.	Medicine	52
Brunschwig, Alexander	Surgery	78
Brush, A. Louise	Psychiatry	70
Buckstein, Jacob	Medicine	51
Burchenal, Joseph H.	Medicine	51
Burke, Grafton E.	Medicine	54
Burkhardt, Edward A.	Medicine	52
Burnett, Harry W.	Radiology	76
Burnett, Sam R.	Surgery	79
Butler, Katherine	Medicine	52
Carey, Thomas I.	Surgery	79
Carpenter, Walter T., Jr.	Pediatrics	64
Carr, Henry A.	Medicine	52
Carter, Anne C.	Medicine	52
Cary, William H.	Obstetrics & Gynecology	59
Cattell, McKeen	Pharmacology	66
Cecil, Russell L.	Medicine	51
Chase, Jeanne H.	Pub. Hl. & Prev. Med.	73
Chaves, Aaron D.	Pub. Hl. & Prev. Med.	73
Child, Charles G., III	Surgery	78
Childs, Alice	Medicine	52
Choucroun, Nine	Pub. Hl. & Prev. Med.	73
Cipollaro, Anthony C.	Medicine (Dermatology)	51
Clarke, Donald A.	Pharmacology	66
Cleveland, Henry C., Jr.	Surgery	80
Coats, Edward C.	Surgery	79
Cobb, Clement B. P.	Pediatrics	64
Cohen, Eugene J.	Medicine	52
Cole, Jonathan O.	Psychiatry	70
Cole, John T.	Obstetrics & Gynecology	59
Coley, Bradley L.	Surgery	78
Colpitts, R. Vernon	Obstetrics & Gynecology	59
Colville, James M.	Medicine	54
Conkey, Odgen F.	Obstetrics & Gynecology	59
Conner, Lewis A.	Medicine (Emeritus)	8
Console, Arthur D.	Surgery	79
Conway, Herbert	Surgery	78
Cooper, William A.	Surgery	78
Cormia, Frank E.	Medicine (Dermatology)	51
Cornell, Carleton M.	Surgery	79
Cornell, Nelson W.	Surgery	78
Cotton, John M.	Psychiatry	70
Craig, Robert L.	Obstetrics & Gynecology	59
Craver, Lloyd F.	Medicine	51
Crissey, Eleanor	Psychiatry	70
Cromwell, Henry A.	Medicine	52
Dale, John H., Jr.	Pediatrics; Radiology	64, 76

Daniels, Helen E.	Psychiatry	70
Dann, Margaret	Pediatrics	64
Dargeon, Harold W. K.	Pediatrics	64
Davis, Bernard D.	Pub. Hl. & Prev. Med.	73
Davis, James E.	Surgery	80
Davis, Jeff	Medicine	52
Day, Emerson	Medicine; Pub. Hl. & Prev. Med.	52, 73
Dean, Archie L.	Surgery (Urology)	78
Deans, Robert D.	Surgery	79
Deddish, Michael R.	Surgery	79
de Gara, Paul F.	Pathology; Pediatrics	62, 64
De Haven, Hugh	Physiology	68
Deitrick, John E.	Medicine	51
Denker, Peter G.	Medicine (Neurology)	51
Dennen, Edward H.	Obstetrics & Gynecology	59
Despert, J. Louise	Psychiatry	70
DeWinter, Christian J.	Obstetrics & Gynecology	59
Diamond, Henry D.	Medicine	52
Diamond, Monroe T.	Medicine	52
Diethelm, Oskar	Psychiatry	70
Dineen, Paul A. P.	Surgery	80
Dingwall, James A., III	Surgery	78
Dooley, Samuel W.	Pediatrics; Pathology	64, 62
Dotter, Charles T.	Medicine; Radiology	52, 76
Douglas, R. Gordon	Obstetrics & Gynecology	59
Dow, Robert L.	Surgery	80
Draper, Fred H.	Pathology	62
Draper, John W.	Surgery (Urology)	78
Drew, J. Edwin	Surgery	79
Du Bois, Eugene F.	Physiology	68
Du Bois, Robert O.	Pediatrics	64
Dudley, Guilford S.	Surgery	78
Duffy, Benedict J.	Medicine	52
Duley, Wade	Surgery	79
Dunbar, Howard S.	Surgery	79
Dunlap, Edward A.	Surgery (Ophthalmology)	78
Dunn, William H.	Psychiatry	70
Dunning, Henry S.	Medicine (Neurology)	51
Durivage, Jacques	Medicine	54
du Vigneaud, Vincent	Biochemistry	49
DuVivier, Edward K.	Pediatrics	64
Dyer, Charles F.	Surgery	80
Ebaugh, Frank G., Jr.	Medicine	54
Eckardt, Robert E.	Medicine	54
Eckel, John H.	Surgery	78
Edwards, Dayton J.	Associate Dean; Physiology	68
Edwards, Herbert R.	Public Health and Prev. Medicine	73
Egan, George F.	Surgery	78
Eggleston, Cary	Medicine	51
Eliasberg, Helene	Pediatrics	64
Eliel, Leonard P.	Medicine	52
Ellis, John T.	Pathology	62
Elser, William J.	Appl. Path. & Bact. (Emeritus)	8
Emmell, Robert C.	Obstetrics & Gynecology	59
Engle, Mary A.	Pediatrics	64
Engle, Ralph L., Jr.	Medicine	54
Epstein, Nathan	Pediatrics	64
Erdman, Albert J., Jr.	Medicine	52
Esplin, Bruce M.	Medicine	54
Evans, John D.	Physiology	68
Falk, Emil A.	Medicine	52

Farmer, Lawrence	Medicine	52
Farrell, Frank W.	Surgery	79
Fath, Robert B.	Medicine	54
Feder, Aaron E.	Medicine	52
Ferguson, Frank C.	Pharmacology	66
Field, John B.	Medicine	54
Finn, Frederick W.	Obstetrics & Gynecology	59
Finn, William F.	Obstetrics & Gynecology	59
Fleetwood, Maria F.	Psychiatry	70
Flynn, John	Medicine	54
Focht, Elizabeth F.	Radiology	76
Foley, William T.	Medicine	52
Foot, N. Chandler	Surgery (Surg. Pathology) (Emeritus)	8
Foot, Frank W., Jr.	Pathology	62
Foote, Franklin M.	Public Health & Prev. Medicine	73
Forkner, Claude E.	Medicine	51
Fraad, Lewis M.	Pediatrics	64
Franklin, John E.	Pediatrics	64
Fraser, Alan W.	Psychiatry	70
Fremont-Smith, Paul	Medicine	54
Freund, Jules	Pathology	62
Freyberg, Richard H.	Medicine	51
Friess, Constance	Medicine	51
Fulton, Lyman A.	Medicine	54
Gabel, Milton	Surgery	79
Garb, Solomon	Pharmacology	66
Gardam, James E. D.	Pediatrics	64
Garrick, Thomas J.	Surgery	79
Gause, Ralph W.	Obstetrics & Gynecology	59
Genghof, Dorothy S.	Biochemistry	49
Genvert, Harold	Surgery	79
Geohegan, William A.	Anatomy	46
Gepfert, J. Randolph	Obstetrics & Gynecology	59
Gerson, Martin J.	Psychiatry	71
Gerster, John C. A.	Surgery	78
Gibbons, John Martin	Medicine	52
Gilder, Helena	Biochemistry	49
Given, William P.	Obstetrics & Gynecology	59
Glassman, Oscar	Obstetrics & Gynecology	59
Glasson, John	Surgery	80
Glenn, Frank	Surgery	78
Glynn, Martin J.	Pediatrics	64
Goff, Bryon H.	Obstetrics & Gynecology	59
Gold, Harry	Pharmacology	66
Goldberg, Henry P.	Pediatrics	64
Goodell, Helen	Medicine	54
Goodridge, Malcolm	Medicine (Emeritus)	8
Goodyear, Stephen	Psychiatry	70
Gordon, Dan M.	Surgery (Ophthalmology)	78
Gore, Arthur L.	Surgery	80
Gorman, Vincent A.	Surgery	79
Grace, William J.	Medicine	54
Graham, David T.	Medicine	54
Greeley, Arthur V.	Obstetrics & Gynecology	59
Green, James L.	Surgery	80
Greenacre, Phyllis	Psychiatry	70
Greenberg, Sidney	Medicine	52
Guenard, Eugene J.	Surgery	79
Guion, Connie M.	Medicine	51
Guthrie, Keith O., Jr.	Medicine	52
Hagamen, Wilbur D., Jr.	Anatomy	46



Hain, Katharine H.	Pediatrics	64
Hall, H. Kenneth	Psychiatry	70
Halsey, Hugh	Obstetrics & Gynecology	59
Hamilton, Doris M.	Bacteriology & Immunology	48
Hamilton, Francis J.	Psychiatry	70
Hanlon, Lawrence W.	Assistant Dean; Anatomy	46
Hansson, Kristian G.	Surgery (Physiotherapy)	78
Haralambie, James Q.	Pediatrics	64
Hardy, James D.	Physiology	68
Harrar, James A.	Obstetrics & Gynecology (Emeritus)	8
Harrington, Helen	Pediatrics	64
Harrison, Charles S.	Surgery	80
Harrison, James S.	Surgery	79
Harvey, William A.	Psychiatry	70
Hauser, Edwin T.	Medicine	51
Hauser, Louis A.	Medicine	53
Hausman, Louis	Medicine (Neurology)	51
Hawkins, W. Hall	Obstetrics & Gynecology	59
Hebard, George W.	Medicine	53
Heffner, Reid R.	Medicine	53
Hehre, Edward J.	Bacteriology & Immunology	48
Heimoff, Leonard L.	Medicine	53
Helpern, Herman G.	Medicine	53
Helpern, Milton	Medicine; Pathology	51, 62
Henry, George W.	Psychiatry	70
Heuer, George J.	Surgery (Emeritus)	8
Higinbotham, Norman L.	Surgery	79
Hinkle, Lawrence E., Jr.	Medicine	54
Hinsey, Joseph C.	Dean; Anatomy	46
Hoffman, Frank	Surgery	80
Hoffman, Ruth S.	Surgery	80
Holman, Cranston W.	Surgery	78
Holman, James M.	Surgery	79
Holswade, George R.	Surgery	80
Holt, Evelyn	Medicine	53
Homrich, Leslie A.	Medicine	53
Hooker, Russell H.	Surgery	79
Hoover, Thomas H.	Obstetrics & Gynecology	59
Hopper, Mary Ellen	Medicine	54
Horan, Frank E.	Medicine	52
Howe, Suzanne A. L.	Surgery	79
Humphreys, Gustavus A.	Surgery (Urology)	78
Hunt, Frederick C.	Pediatrics	64
Hutcheson, James B.	Pathology	62
Hynes, Frank J.	Surgery	79
Isenhour, Albert	Surgery	80
Ivers, Thomas R.	Surgery	79
Jackson, Francis C.	Surgery	80
Jacobsen, Leif Y.	Medicine	53
Jameison, Gerald R.	Psychiatry	70
Jaspin, George	Radiology	76
Javert, Carl T.	Obstetrics & Gynecology	59
Jeck, Howard S.	Surgery (Urology)	78
Jensen, D. Rees	Surgery	78
Johnson, Donald G.	Obstetrics & Gynecology	59
Johnson, Scott	Medicine	53
Joslin, Doyle	Physiology	68
Joyner, Edmund N., III	Pediatrics	64
Kahn, Morton, C.	Public Health and Prev. Medicine	73

Kalbacher, Joseph E.	Pediatrics	64
Kalfayan, Bernard	Pathology	62
Kammerer, William H.	Medicine	53
Kane, Francis D.	Psychiatry	70
Kany, Alfred W.	Radiology	76
Kaplin, Lawrence I.	Medicine	53
Karl, Richard	Surgery	80
Karnofsky, David A.	Medicine	51
Kauer, George L., Jr.	Medicine; Physiology	51, 68
Kauer, Joseph T.	Surgery	79
Kelley, Samuel F.	Surgery (Otolaryngology)	78
Kellner, Aaron	Pathology	62
Kelly, James T.	Surgery	79
Kennedy, Foster	Medicine (Neurology)	51
Kensler, Charles J.	Pharmacology	66
Kern, Fred, Jr.	Medicine	54
Kidd, John G.	Pathology	62
Kirkham, Frederic T.	Medicine	54
Kirkland, Henry B.	Medicine	53
Knehr, Charles A.	Psychiatry	70
Knight, Jack V.	Medicine	54
Koenig, Hedwig	Pediatrics	64
Kohl, Richard N.	Psychiatry	70
Koteen, Herbert	Medicine	53
Koteen, Phyllis H.	Pediatrics	64
Kramer, Elmer E.	Obstetrics & Gynecology	59
Kramer, Henry F.	Surgery	80
Kramer, Milton L.	Medicine	51
Krantz, Kermit E.	Obstetrics & Gynecology	59
Kraus, Jane	Medicine	52
Kuchinskas, Edward J.	Biochemistry	49
Kwit, Nathaniel T.	Pharmacology	66
Ladd, William S.	Medicine	51
La Due, John S.	Medicine	51
Lake, Michael	Medicine	53
LaMar, Norvelle C.	Psychiatry	70
Lampe, Ernest W.	Anatomy; Surgery	46, 78
Landesman, Robert	Obstetrics & Gynecology	59
Lange, William A.	Obstetrics & Gynecology	59
Langner, Helen D.	Psychiatry	70
Lapham, Roger F.	Medicine	53
LaSorte, Antonio F.	Surgery	80
Laupus, William E.	Pediatrics	65
Lawton, Richard W.	Physiology	68
Lee, Sung Soo	Pathology	62
Leider, Harold J.	Surgery	79
Leighton, Alexander Hamilton	Psychiatry	70
Le Maistre, Charles A.	Medicine	54
Lemcke, Dorothea	Medicine	53
L'Esperance, Elise S.	Pub. Hl. & Prev. Med.	73
Leversee, Beecher W.	Surgery	79
Levine, Leon I.	Medicine	51
Levine, Milton I.	Pediatrics	64
Levine, Samuel Z.	Pediatrics	64
Lewis, George M.	Medicine (Dermatology)	51
Lichtman, S. S.	Medicine	52
Liebolt, Frederick L.	Surgery (Orthopedics)	78
Lincoln, Asa L.	Medicine	51
Lintz, Robert M.	Medicine	53
Loebel, Robert O.	Medicine	53
Loveless, Mary E. H.	Medicine (Allergy)	51

Lovell, Harold W.	Psychiatry	70
Luckey, E. Hugh	Medicine	53
Lukas, Daniel S.	Medicine	54
Luzzatti, Luigi	Pediatrics	64
MacFee, William F.	Surgery	78
Mackenzie, Cosmo G.	Biochemistry	49
Mackenzie, Julia B.	Psychiatry	70
MacLeod, John	Anatomy; Physiology	46, 68
McAuliffe, Gervais W.	Surgery (Otolaryngology)	78
McCandlish, Howard S.	Obstetrics & Gynecology	59
McClure, Roy D.	Surgery	80
McCombs, A. Parks	Medicine	53
McCormack, Richard R.	Medicine; Physiology	53, 68
McCoy, Herbert I.	Medicine	54
McCrary, Wallace W.	Pediatrics	64
McCusker, Wilfred D.	Surgery	80
McDermott, Walsh	Medicine	51
McElwee, Ross S.	Surgery	80
McGowan, Frank J.	Surgery	79
McGrath, John F.	Obstetrics & Gynecology	59
McIlveen, Marion	Pediatrics	64
McLane, Charles M.	Obstetrics & Gynecology	59
McLean, John M.	Surgery (Ophthalmology)	78
McLellan, Allister M.	Surgery (Urology)	78
McLellan, Frederick C.	Surgery (Urology)	78
McLeod, James A.	Surgery	79
McNamara, Helen	Pediatrics	65
Madden, Theodore M.	Psychiatry	71
Maisel, Bernard	Surgery	79
Marbury, Benjamin E.	Surgery	80
Marchand, John F.	Medicine	53
Marinelli, Leonidas D.	Radiology (Radiological Physics)	76
Marks, Paul A.	Medicine	54
Marshall, Victor F.	Surgery (Urology)	78
Martin, John S.	Surgery	79
Martin, Hayes	Surgery	78
Martin, Kirby	Medicine	53
Mason, John W.	Pathology	62
Matteson, Sarah	Pediatrics	65
Maxwell, Richard B.	Medicine	54
Mayers, Albert N.	Psychiatry	71
Mazur, Abraham	Medicine	52
Meacham, Charles T.	Surgery	79
Mehler, Leopold	Surgery	79
Melchionna, Robert H.	Medicine	53
Melville, Donald B.	Biochemistry	49
Mendelson, Curtis L.	Obstetrics & Gynecology	59
Mercer, Mary E.	Pediatrics; Psychiatry	64, 70
Mermann, Alan C.	Pediatrics	65
Milhorat, Ade T.	Medicine, Psychiatry	51, 70
Miller, Jacque E.	Radiology	76
Miller, Raymond E.	Medicine	53
Mindlin, Rowland	Pediatrics	64
Miscall, Laurence	Surgery	78
Modell, Walter	Pharmacology	66
Moench, L. Mary	Medicine	53
Money, William L.	Medicine	52
Moore, James A.	Surgery (Otolaryngology)	78
Moore, S. W.	Surgery	78
Morrill, Charles V.	Anatomy	46
Morrison, Richard C.	Obstetrics & Gynecology; Pathology	59, 62

Murphy, Willis A. . . . .	Medicine . . . . .	53
Muschenheim, Carl. . . . .	Medicine . . . . .	51
Nathanson, Joseph N. . . . .	Obstetrics & Gynecology . . . . .	59
Negrin, Juan . . . . .	Surgery . . . . .	79
Neill, James M. . . . .	Bacteriology & Immunology . . . . .	48
Nichols, John Alan . . . . .	Surgery . . . . .	80
Nickel, William F., Jr. . . . .	Surgery . . . . .	78
Nickson, James J. . . . .	Radiology . . . . .	76
Noback, Gustave J. . . . .	Anatomy . . . . .	46
Oberholzer, Emil . . . . .	Psychiatry . . . . .	70
Ogilvie, John B. . . . .	Surgery . . . . .	79
Olcott, Charles T. . . . .	Pathology . . . . .	62
Oljenick, Ignaz W. . . . .	Medicine (Neurology) . . . . .	54
Olstein, Philip . . . . .	Public Health & Prev. Medicine . . . . .	73
O'Neill, Earl A. . . . .	Surgery . . . . .	79
Opie, Eugene L. . . . .	Pathology (Emeritus) . . . . .	8
Oppel, Theodore W. . . . .	Medicine . . . . .	52
O'Regan, Charles H. . . . .	Pediatrics . . . . .	64
O'Sullivan, Ward D. . . . .	Surgery . . . . .	79
Overman, Ralph S. . . . .	Medicine . . . . .	52
Pack, George T. . . . .	Surgery . . . . .	78
Palmer, Arthur . . . . .	Surgery (Otolaryngology) . . . . .	78
Palmer, Douglass . . . . .	Medicine . . . . .	52
Papanicolaou, George . . . . .	Anatomy . . . . .	46
Paquin, Albert J. . . . .	Surgery . . . . .	80
Pardee, Harold E. B. . . . .	Medicine . . . . .	51
Parsons, Herbert . . . . .	Surgery . . . . .	79
Pastore, John B. . . . .	Obstetrics & Gynecology . . . . .	59
Patterson, Marjorie B. . . . .	Medicine . . . . .	54
Patterson, Russel H. . . . .	Surgery . . . . .	78
Payne, Mary Ann . . . . .	Medicine . . . . .	53
Peabody, George E. . . . .	Medicine . . . . .	54
Pearce, John M. . . . .	Pathology; Surgery . . . . .	62, 78
Pearson, Olaf H. . . . .	Medicine . . . . .	52
Pearson, T. Arthur . . . . .	Radiology . . . . .	76
Person, E. Cooper, Jr. . . . .	Surgery . . . . .	78
Peters, Frank H. . . . .	Medicine . . . . .	52
Philips, Frederick S. . . . .	Pharmacology . . . . .	66
Philips, Vol K. . . . .	Medicine . . . . .	54
Pierce, John G. . . . .	Biochemistry . . . . .	49
Plum, Fred . . . . .	Medicine . . . . .	54
Plummer, Norman . . . . .	Medicine . . . . .	52
Pool, John L. . . . .	Surgery . . . . .	79
Prichett, R. A. Rees . . . . .	Medicine . . . . .	54
Priest, Eda L. . . . .	Psychiatry . . . . .	70
Prouty, Lawrence R. . . . .	Physiology . . . . .	68
Rachele, Julian R. . . . .	Biochemistry . . . . .	49
Rawson, Rulon W. . . . .	Medicine . . . . .	51
Ray, Bronson S. . . . .	Surgery . . . . .	78
Reader, George G. . . . .	Medicine . . . . .	53
Rees, Thomas D. . . . .	Surgery . . . . .	80
Reilly, Joseph F. . . . .	Pharmacology . . . . .	66
Rennie, Thomas A. C. . . . .	Psychiatry . . . . .	70
Ressler, Charles H. . . . .	Medicine . . . . .	53
Ressler, Charlotte . . . . .	Biochemistry . . . . .	49
Reznikoff, Paul . . . . .	Medicine . . . . .	51
Rhoads, Cornelius P. . . . .	Pathology . . . . .	62
Rich, Clayton E. . . . .	Medicine . . . . .	54

Richards, Charles E.	Medicine	53
Richards, Charles H.	Physiology	68
Richardson, Eric C.	Surgery	79
Richardson, Henry B.	Medicine	51
Richter, Goetz W.	Pathology	62
Riekert, Herbert J.	Surgery (Orthopedics)	79
Riker, Walter F., Jr.	Pharmacology	66
Ringham, Jarrett	Psychiatry	70
Robbins, William C.	Medicine	54
Roberts, Thomas N.	Medicine	54
Robertson, Theodore	Pathology	62
Robinson, Edwin J.	Pub. Hl. & Prev. Med.	73
Rockwell, Fred V.	Psychiatry	70
Rogoff, Julius L.	Medicine	53
Romeo, Bruno J.	Medicine	53
Russell, William L.	Psychiatry (Emeritus)	8
Sabbatino, Joseph F.	Medicine	53
Sachs, Wilbert	Medicine (Dermatology)	52
Sackett, Nelson B.	Obstetrics & Gynecology	59
Salem, Edward	Anatomy	46
Samuels, Bernard R.	Surgery (Ophthalmology) (Emeritus)	8
Scanlan, Theresa	Medicine	53
Schloss, Oscar M.	Pediatrics	64
Schmidt, John G.	Surgery (Orthopedics)	79
Schneider, Robert A.	Medicine	54
Schumacher, George A.	Medicine (Neurology)	51
Schwartz, Hans J.	Medicine (Dermatology) (Emeritus)	8
Schwartz, Irving	Radiology	76
Seybolt, John F.	Anatomy	46
Shepard, Edward M.	Medicine	53
Sherfey, Mary J.	Psychiatry	70
Sherman, Jacob T.	Obstetrics & Gynecology	59
Sherman, Robert S.	Radiology	76
Shorr, Ephraim	Medicine	51
Shultz, Selma M.	Medicine	54
Shuman, Bernard J.	Pediatrics	65
Simmonds, William P.	Medicine	54
Simons, Donald J.	Medicine; Psychiatry	51, 70
Smedley, Lois M.	Pediatrics	64
Smillie, Wilson G.	Public Health and Prev. Medicine	73
Smith, Carl H.	Pediatrics	64
Smith, Erwin F.	Obstetrics & Gynecology	59
Smith, Frank R.	Obstetrics & Gynecology	59
Smith, Gilbert I.	Surgery	80
Smith, J. James	Medicine	52
Smith, Morris K.	Surgery	78
Snyder, Charles T.	Obstetrics & Gynecology	59
Snyder, Stuart S.	Surgery; Obstetrics & Gynecology	80, 59
Sorenson, C. Wallace	Medicine	53
Speer, David S.	Surgery	80
Spielman, Aaron D.	Medicine	53
Stabins, Edwin P.	Pediatrics	65
Steinberg, Israel	Medicine; Radiology	52, 76
Stevens, Alexander R.	Surgery (Urology) (Emeritus)	8
Stevenson, Lewis D.	Pathology; Medicine (Neurology)	62, 51
Stewart, Fred W.	Pathology; Surgery	62, 78
Stewart, Harold J.	Medicine	51
Stickney, John W.	Medicine	53
Stillerman, Maxwell	Pediatrics	65
Stillman, Ralph G.	Medicine (Clinical Pathology)	52
Stimson, Philip M.	Pediatrics	64

Straub, Leonard R. . . . .	Psychiatry . . . . .	71
Stubenbord, William D. . . . .	Medicine . . . . .	53
Sugg, John Y. . . . .	Bacteriology & Immunology . . . . .	48
Sullivan, Joseph D. . . . .	Psychiatry . . . . .	70
Sullivan, Joseph V. . . . .	Radiology . . . . .	76
Sutherland, Arthur M. . . . .	Medicine . . . . .	53
Sutton, John E. . . . .	Surgery . . . . .	79
Swan, Roy C., Jr. . . . .	Medicine . . . . .	54
Sweet, Joshua E. . . . .	Experimental Surgery (Emeritus) . . . . .	8
Swift, Katherine W. . . . .	Medicine . . . . .	53
Syz, Hans. . . . .	Psychiatry . . . . .	70
Tagnon, Henry J. . . . .	Medicine . . . . .	52
Talbot, Timothy R., Jr. . . . .	Medicine . . . . .	53
Taussky, Hertha H. . . . .	Medicine . . . . .	54
Temple, Harold L. . . . .	Radiology . . . . .	76
Ten Eyck, Edward A. . . . .	Obstetrics & Gynecology . . . . .	60
Texter, E. Clinton, Jr. . . . .	Medicine . . . . .	54
Thal, Alan P. . . . .	Pathology . . . . .	62
Thompson, David B. . . . .	Medicine . . . . .	53
Thorbjarnarson, Bjorn . . . . .	Surgery . . . . .	80
Throm, Urban L. . . . .	Medicine, Military Medicine . . . . .	54, 83
Tift, J. George. . . . .	Obstetrics & Gynecology . . . . .	60
Tillinghast, Arthur J. . . . .	Radiology . . . . .	76
Timpanelli, Alphonse E. . . . .	Medicine . . . . .	52
Tisdale, Eben D. . . . .	Obstetrics & Gynecology . . . . .	59
Tolstoi, Edward . . . . .	Medicine . . . . .	51
Tompsett, Ralph R. . . . .	Medicine . . . . .	52
Toolan, Helene M. . . . .	Pathology . . . . .	62
Torda, Clara . . . . .	Medicine . . . . .	54
Toscani, Vincent A. . . . .	Medicine . . . . .	54
Travell, Janet. . . . .	Pharmacology . . . . .	66
Travis, John H. . . . .	Psychiatry . . . . .	70
Treves, Norman . . . . .	Surgery . . . . .	79
Troutman, Richard C. . . . .	Surgery . . . . .	79
Trunnell, Jack B. . . . .	Medicine . . . . .	53
Truss, Claude O. . . . .	Medicine . . . . .	53
Tucker, James L. . . . .	Pediatrics . . . . .	64
Tulin, Maurice . . . . .	Medicine . . . . .	53
Turner, Robert A. . . . .	Biochemistry . . . . .	49
Twiss, J. Russell. . . . .	Medicine . . . . .	53
Tyndall, Marion. . . . .	Medicine . . . . .	53
Vogel, Stephen. . . . .	Pathology . . . . .	62
Voorhees, William D. . . . .	Psychiatry . . . . .	71
Wade, Preston A. . . . .	Surgery . . . . .	78
Wall, James H. . . . .	Psychiatry . . . . .	70
Ward, George Gray . . . . .	Obstetrics & Gynecology (Emeritus) . . . . .	8
Warner, Nathaniel . . . . .	Psychiatry . . . . .	70
Watson, Robert F. . . . .	Medicine . . . . .	51
Watson, William L. . . . .	Surgery . . . . .	79
Weber, Frederick C., Jr. . . . .	Medicine . . . . .	53
Webster, Bruce P. . . . .	Medicine . . . . .	51
Weeden, Willis M. . . . .	Surgery . . . . .	79
Weeter, John C. . . . .	Surgery . . . . .	79
Weinbaum, Jerome. . . . .	Obstetrics & Gynecology . . . . .	59
Weintraub, Sydney. . . . .	Radiology . . . . .	76
Welch, Livingston. . . . .	Psychiatry . . . . .	70
Welsch, Exie Elizabeth. . . . .	Psychiatry . . . . .	70
Werner, Charles A. . . . .	Medicine . . . . .	54
Werner, Erwin A. . . . .	Medicine . . . . .	53

Wert, Frederick J.	Psychiatry	71
Wescoc, W. Clarke	Pharmacology	66
West, John P.	Surgery	79
Weymuller, Louis E.	Pediatrics	64
Wheatley, Marjorie A.	Pediatrics	64
Whedon, G. Donald	Medicine	53
Wheeler, Charles H.	Medicine	52
Wheeler, George W.	Medicine (Clinical Pathology)	52
White, Stephen	Radiology	76
Whitmore, Willet F., Jr.	Surgery (Urology)	79
Williams, Byard	Medicine	52
Williams, Hugh R.	Pediatrics	65
Williamson, Hervey C.	Obstetrics & Gynecology	59
Wilson, Arthur A.	Obstetrics & Gynecology; Pathology	60, 62
Wilson, John E.	Biochemistry	49
Wilson, May G.	Pediatrics	64
Wingebach, Wilfrid D.	Surgery	80
Wolf, George A., Jr.	Medicine	52
Wolf, Stewart G., Jr.	Medicine	51
Wolff, Harold G.	Medicine (Neurology); Psychiatry	51, 70
Wolff, William I.	Surgery	80
Woodward, Katherine F.	Psychiatry	70
Woodward, Walter D.	Psychiatry; Pub. Hl. & Prev. Med.	70, 73
Woolsey, George	Surgery (Emeritus)	8
Wright, George J.	Psychiatry	71
Wright, Harold S.	Psychiatry	70
Wright, Irving S.	Medicine	51
Wright, Mary Elizabeth	Biochemistry	49
Yankauer, Alfred	Pub. Hl. & Prev. Med.	73
Yeager, Robert L.	Medicine (Tuberculosis)	54
Zipser, Stanley S.	Pediatrics	64
Zucker, Seymour	Medicine	54
Zweifach, Benjamin W.	Medicine	52

## SUMMARY OF MEDICAL COLLEGE STAFF

Full Professors	39
Associate Professors	75
Assistant Professors	150
Instructors, Assistants, etc.	375
Total	639